

850 Poplar Street Pittsburgh, PA 15220 phone: 412.922.4000 fax: 412.922.4043 intertek.com/building

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:

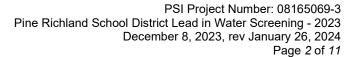
- Pine Richland Elementary (9 samples)
- Eden Hall (12 samples)
- Pine Richland Hance Elementary (10 samples)
- Pine Richland Wexford Elementary (10 samples)
- Pine Richland High School (11 samples)
- Pine Richland Athletic Fields (7 samples)
- Pine Richland Middle School (10 samples)

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<sub>3</sub> 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 90<sup>th</sup> 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 90<sup>th</sup> 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.

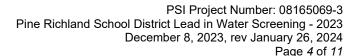
Based on the water sampling results, it appears as though the lead concentrations were within the recommended limits. None of the samples collected exceeded the Action Level of 15 ppb, however, one (1) sample (RE-47 Kitchen rinse sink by C113) exceeded the Women for a Healthy Environment's recommended 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 resampling 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<br>type | Analytical<br>Result (Pb)<br>(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



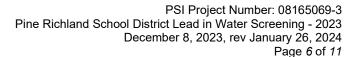




TABLE 2.0
DRINKING WATER SAMPLES
Pine Richland Hance Elementary
Sample Date: November 30, 2023

| Sample No. | Source | Sample Location    | Sample<br>type | Analytical<br>Result (Pb)<br>(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





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

| Sample No. | Source | Sample Location                       | Sample<br>type | Analytical<br>Result (Pb)<br>(ug/L = ppb) |
|------------|--------|---------------------------------------|----------------|---|
| HS-23      | Sink   | Kit – near pizza oven                 | First Draw     | < 1.0                                     |
| HS-24      | Sink   | Kit – outside Storage<br>C (R)        | First Draw     | < 1.0                                     |
| HS-25      | Sink   | Room 120 Kit 3                        | < 1.0          |   |
| HS-26      | Sink   | Room 120 Kit 4                        | First Draw     | < 1.0                                     |
| HS-27      | WF     | Cafeteria outside<br>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



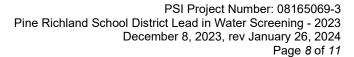




TABLE 4.0
DRINKING WATER SAMPLES
Pine Richland Middle School
Sample Date: November 30, 2023

| Sample No. | Source | Sample Location | Sample<br>type | Analytical<br>Result (Pb)<br>(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



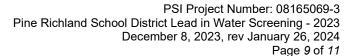




TABLE 5.0
DRINKING WATER SAMPLES
Pine Richland - Richland Elementary
Sample Date: November 30, 2023

| Sample<br>No. | Source  | Sample Location              | Sample<br>type | Analytical<br>Result (Pb)<br>(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 samp | le                           |                |   |

WF – Water Fountain





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

| Sample No. | Source | Sample Location         | Sample<br>type | Analytical<br>Result (Pb)<br>(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





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

| Sample No. | Source | Sample Location                 | Sample<br>type | Analytical<br>Result (Pb)<br>(ug/L = ppb) |
|------------|--------|---------------------------------|----------------|---|
| WE-61      | Kettle | Kit Braising sprayer            | First Draw     | 2.4                                       |
| WE-62      | Sink   | Kit Food prep                   | 2.9            |   |
| WE-63      | WF     | Kindergarten Locker<br>Area (R) | < 1.0          |   |
| WE-64      | WF     | Locker Area (R)                 | < 1.0          |   |
| WE-65      | WF     | Outside Rm D 115<br>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



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

Sou Buyer

Project Manager

**Enclosures** 







#### **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



Project: PINE RICHLAND-EDEN HALL 11/30

Pace Project No.: 70279319

Date: 12/07/2023 12:19 PM

| Sample: EH-1                   | Lab ID: 702  | 79319001 | Collected: 11/30/2 | 23 08:13 | Received: 12 | 2/01/23 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        |       |



Project: PINE RICHLAND-EDEN HALL 11/30

Pace Project No.: 70279319

Date: 12/07/2023 12:19 PM

Sample: EH-2 Lab ID: 70279319002 Collected: 11/30/23 08:16 Received: 12/01/23 10:55 Matrix: Drinking Water DF **Parameters** Results Units Report Limit Prepared Analyzed CAS No. Qual 200.8 MET ICPMS Drinking Water Analytical Method: EPA 200.8 Pace Analytical Services - Melville 1.0 3.8 Lead ug/L 1 12/06/23 11:32 7439-92-1



Project: PINE RICHLAND-EDEN HALL 11/30

Pace Project No.: 70279319

Date: 12/07/2023 12:19 PM

| Sample: EH-3                   | Lab ID: 702  | 279319003 | Collected: 11/30/2 | 23 08:14 | Received: 12 | 2/01/23 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 | 4 7439-92-1      |       |



Project: PINE RICHLAND-EDEN HALL 11/30

Pace Project No.: 70279319

| Sample: EH-4                   | Lab ID: 702   | 279319004 | Collected: 11/30/2 | 3 08:22 | Received: 1 | 2/01/23 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        |       |



Project: PINE RICHLAND-EDEN HALL 11/30

Pace Project No.: 70279319

| Sample: EH-5                   | Lab ID: 702  | 279319005 | Collected: 11/30/2 | 23 08:19 | Received: 12 | 2/01/23 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        |       |



Project: PINE RICHLAND-EDEN HALL 11/30

Pace Project No.: 70279319

| Sample: EH-6                   | Lab ID: 702  | 79319006 | Collected: 11/30/2 | 23 08:17 | Received: 1 | 2/01/23 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 11:4° | 1 7439-92-1      |       |



Project: PINE RICHLAND-EDEN HALL 11/30

Pace Project No.: 70279319

| Sample: EH-7                   | EH-7 Lab ID: 7027931 |  | Collected: 11/30/2 | 3 08:24 | Received: 12 | 2/01/23 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              |      |  |  |



Project: PINE RICHLAND-EDEN HALL 11/30

Pace Project No.: 70279319

| Sample: EH-8                   | Lab ID: 702 | 79319008   | Collected: 11/30/2 | 23 08:26 | Received: 1 | 2/01/23 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        |       |  |  |  |



Project: PINE RICHLAND-EDEN HALL 11/30

Pace Project No.: 70279319

| Sample: EH-9                   | Lab ID: 702  | 79319009 | Collected: 11/30/2 | 23 08:28 | Received: 1 | 2/01/23 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 | : 7/20 02 1      |       |  |  |



Project: PINE RICHLAND-EDEN HALL 11/30

Pace Project No.: 70279319

Date: 12/07/2023 12:19 PM

| Sample: EH-10                  | Lab ID: 702  | 79319010 | Collected: 11/30/2 | 23 08:35 | Received: 12 | 2/01/23 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              |      |  |



Project: PINE RICHLAND-EDEN HALL 11/30

Pace Project No.: 70279319

Date: 12/07/2023 12:19 PM

| Sample: EH-11                  | Lab ID: 702  | 79319011 | Collected: 11/30/2 | 3 08:32 | Received: 12 | 2/01/23 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              |      |  |



Project: PINE RICHLAND-EDEN HALL 11/30

Pace Project No.: 70279319

| Sample: EH-12                  | Lab ID: 702 | 79319012   | Collected: 11/30/2 | 23 08:36 | Received: 1 | 2/01/23 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 | 7/30-02-1        |       |  |  |  |



#### **QUALITY CONTROL DATA**

Project: PINE RICHLAND-EDEN HALL 11/30

Pace Project No.: 70279319

Lead

QC Batch: 329730

QC Batch Method: EPA 200.8

Analysis Description: 200.8 MET No Prep Drinking Water

Pace Analytical Services - Melville Laboratory: 70279319001, 70279319002, 70279319003, 70279319004, 70279319005, 70279319006, 70279319007,

EPA 200.8

Associated Lab Samples: 70279319008, 70279319009, 70279319010, 70279319011, 70279319012

METHOD BLANK: 1688119 Matrix: Water

70279319001, 70279319002, 70279319003, 70279319004, 70279319005, 70279319006, 70279319007, Associated Lab Samples:

Analysis Method:

70279319008, 70279319009, 70279319010, 70279319011, 70279319012

Blank Reporting

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

LABORATORY CONTROL SAMPLE: 1688120

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

MATRIX SPIKE SAMPLE: 1688122

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

MATRIX SPIKE SAMPLE: 1688124

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

SAMPLE DUPLICATE: 1688121

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

SAMPLE DUPLICATE: 1688123

Date: 12/07/2023 12:19 PM

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

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.



#### **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.

Date: 12/07/2023 12:19 PM



## **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<br>Batch |
|-------------|--|-----------------|----------|-------------------|---------------------|
| 70279319001 | —— ——————————————————————————————————— | 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   |                   |                     |

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields Mike Kopar Contact/Report To: Phone #: Pace Analytical Long Island NY 575 Broad Hollow Rd, Melville, NY 11747 Pace® Location Requested (City/State) INTERTEKLEAD Pace Company Name: Street Address:

CHAIN-OF-CUSTODY Analytical Request Document

torll nain Label Here

WO#:70279319

dentify Container Preservative Type \*\* Specify Container Size \*\* Analysis Requested 0437 Field Filtered (if applicable): [ ] Yes [ ] No DW PWSID # or WW Permit # as applicable 412.383.0469 mike kopar@intertek.com New-York Analysis: Same county / State origin of sample(s): legulatory Program (DW, RCRA, etc.) as applicable: Rush (Pre-approval required): [ ]2 Day [ ]3 day [ ]5 day [ ]0ther Purchase Order#(if applicable): voice E-Mail: nvoice To: Cc E-Mail: Quote #: E-Mail: 850 Poplar Street, Pittsburgh, PA 15220 Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT Customer Project #: 08165069.3
Project Name: School Lead Samping
Pro\_ Richlan
Site Collection Info/Facility ID (as applicable): [ ] Level IV EDEN HALL [ ] Level III

Jata Deliverables:

[ ] Leve[ || [ ] EQUIS [ ] Other

Terracore, (9) Other

\*\*\* Preservative Types: (1) None, (2) HNO3, (3)
H25O4, (4) HCJ, (5) NaOH, (6) Zn Acetate, (7)
NaH5O4, (8) Sod, Thiosulfate, (9) Ascorbic Acid, (10)

MeOH, (11) Other tori Beyer Proj. Mgr.

ScctNum / Client ID.

relog / Bottle Ord, ID.

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

Preservation non-conformance identified for ealgmes Sample Comment 1150798 Additional Instructions from Pace® Containers Plastic Glass \* Matrix Codes (Intsert in Matrix box below): Drinking Water (DW), Ground Water (OW), Waste Water (WW), Product (P), Soil/Soild (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Other (OT), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk Number & Type of Res. CLZ Time Composite End rinted Name: collected By: Date 8:28 AM 8336 PM 8.24Am 9:19 % 2:17 8:1484 W#22.8 9:[6PT 11.3023 8:154 (or Composite Start) Matrix \* Comp / Grab Q 20 Customer Remarks / Special Conditions / Possible Hazards: Customer Sample ID 5-113 死なー EH-3 L-H3 8-43 6-13 クーロゴ 2-43 h-43 01-H S

Submittings 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 @

Page:

plivered by: [ ] In-Person [ ] Courter

Corrected Temp, (\*C

Obs. Temp. (\*C)

Correction Pactor (\*C);

# Coolers:

Signature:

35.0

206"

11.3023 Date/Time:

Date/Time:

\*\*Container Size: (1) 11, (2) 500mL, (3) 250mL, (4)
11, 12mL, (5) 100mL, (6) 40mL vial, (7) Encore, (8)
\*\*\* Preservative Types: (1) None, (2) HN03, (3)
H3504, (4) HG, (5) NaOH, (6) Zo Acetate, (7)
MH504, (8) Sod, Thiosulfate, (9) Ascorbic Acid, (10)
MeOH, (11) Other Corrected Temp, [10] Sample Comment relog / Bottle Ord. ID: AcctNum / Elient ID: Profile / Template: Obs. Temp. (10) Proj. Mgr. Lori Beyer 1150798 LAB USE ONLY- Affix Workorder/Login Label Here 8705 Vino eat day Correction Factor ("C): Scan QR Code for instructions Identify Container Preservative Type\*\*\* Additional Instructions from Pace®: Specify Container Size \*\* Analysis Requested 200.8 Drinking Water Number & Type of c Containers Plastic Glass \* 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 CHAIN-OF-CUSTODY Analytical Request Document DW PWSID # or WW Permit # as applicable Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields Res. CLZ Pensylvana Time Composite End 412-385-0469 rinted Name: mike.kopar@intertek.com New-York Collected By: Date Analysis: Some 11.3023 8:32Am 8.3600 Mike Kopar County / State origin of sample(s): gulatory Program (DW, RCRA, etc.) as applicable: (or Composite Start) Rush (Pre-approval reguired): [ ]2 Day [ ]3 day [ ]5 day [ ]0ther. Contact/Report To: 'urchase Order # (if voice E-Mail: Date spplicable); nvoice To: Cc E-Mail: Phone #: E-Mall: λuote #: Matrix \* Comp / Grab O Requested: 20 850 Poplar Street, Pittsburgh, PA 15220 Imma Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT Pace Analytical Long Island NY 575 Broad Hollow Rd, Melville, NY 11747 Sustomer Remarks / Special Conditions / Possible Hazards. Pace® Location Requested (City/State) Customer Project #: 08165069.3

Fraject Name: School Lead Samping

Onc. Rich I an
Site Collection Info/Facility ID (as applicable): Customer Sample ID CCKN FAM INTERTEKLEAD EH-III 21 - H3 [ ] Level {!! Pace Data Deliverables: ompany Name: Street Address: [ ] Level [ [ } EQUIS [ ]Othe

Submittings 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 @

Н

Page:

belivered by: [ ] in-Person [ ] Courier [ | FedEx [ ] UPS | Dother

Date/Time: Date/Time

eccived by/Company: (Signature)

eceived by/Company

11.34.23

Slinquished by/Company: (Signature) Company: (Signature)

PM: LAB Due Date: 12/15/23 CLIENT: INTERTEKLEAD

| iville  |               |
|---|---------------|
| r Count Me  |               |
| e Containe  |               |
| DC#_Title_ENV-FRM-MELV-0150 v1_Sample Container Count Met |               |
| IELV-0150   |               |
| NV-FRM-N  | : 4/10/202    |
| Trile E   | cline Date: 4 |
| S   | Effect        |

|   | 200                             |          |            |           |                |   |                      |           |              |          |            |               |              |                 |                           |                                   |                             | T                         |   |                       |                           |                             |                          |                         |  |                            |                          |  |                             | Sender Initials             |                      | OFCORO              |
|---|---------------------------------|----------|------------|-----------|----------------|---|----------------------|-----------|--------------|----------|------------|---------------|--------------|-----------------|---------------------------|-----------------------------------|-----------------------------|---------------------------|---|-----------------------|---------------------------|-----------------------------|--------------------------|-------------------------|--|----------------------------|--------------------------|--|-----------------------------|-----------------------------|----------------------|---------------------|
|   | loc<br>мь<br>ви<br>Sbгс<br>Wedn |          |            |           |                |   | が、                   |           |              |          | 5          |               |              | Matrix          | Water                     | Solid                             | Non-aqueous Liquid          | OIL                       | Orinking Water                                      |                       |                           |                             | 181                      |                         |  |                            |                          |  |                             |                             | ş                    |                     |
|   | wekn                            |          | 1          |           | 25             |   | 100                  |           |              |          |            |               |              |                 | F                         |                                   | NAL                         | 70                        | NA MO   |                       |                           |                             |                          |                         |  | 15                         |                          |  |                             |                             |                      |                     |
|   | usaw                            | -        | 5 - P3     |           | 1.0            |   | 686<br>183           |           |              | -        |            | -             | 3.51         | L               | Ş                         | 징                                 | Z                           |                           | > 0   | i                     |                           |                             |                          |                         |  |                            |                          |  |                             |                             |                      |                     |
| 1 | 8                               |          | 199        |           |                |   | 12                   |           |              |          |            |               | N.           |                 |                           |                                   |                             |                           |   |                       |                           | Checken Co.                 |                          |                         | als                                    |                            | 1                        |  | П                           |                             |                      |                     |
|   | 1985                            |          |            |           |                |   | 38                   |           |              | _        |            |               | 27           |                 |                           |                                   | ide                         | 1955                      |   |                       |                           | 100000                      | 15                       | jaj                     | 40ml. Assorbic acid/ maleic Acid vials | 40mL                       | ial                      | SOM!   | bottle                      | bottle                      |                      | 1                   |
|   | 8198                            | $\dashv$ | 923        |           | ENE<br>ENE     |   | 18%<br>18%           | -         | 334<br>408   | $\dashv$ | 267        | _             | (60)<br>(60) |                 | 1L unpreserved plastic    | astic                             | 250mL Sodium Hydroxide      | 500mL unpres amber glass  |   |                       |                           | OTHER                       |                          | 40mL Na Thio amber vial | maleic                                 | Citrate/Na Thiosulfate 40m | Na Thiosulfate 60mL vial | MonoClactetic/Na Thio 60m<br>250ml uppes amber plass | Na Thiosulfate 250mL bottle | Na Thiosulfate Amber bottle | Blend                | ١                   |
| 1 | Zrde                            |          | 33         | -         | 300            |   | 1978<br>1976         |           |              |          |            |               |              | 55              | paved                     | O3 pl                             | dium                        | ores a                    | -   |                       |                           |                             | 200                      | hio ar                  | ic acid/                               | Thios                      | fate 6                   | etic/N   | fate 2                      | fate A                      | mical                |                     |
| 1 | A598                            |          |            |           |                |   | 1000                 |           | 75           |          |            |               | 7            | Š               | porese                    | 250ml HNO3 plastic                | JL So                       | Jr nu                     |   | N 4                   |                           |                             |                          | Na                      | Ascorb                                 | te/Na                      | hiosul                   | CIAC   | hiosul                      | hiosul                      | 525,3 Chemical Blend |                     |
|   | 8638                            |          |            |           |                |   | *                    |           | 1,0          |          | 527        |               |              |                 | 11.00                     | 250n                              | 250n                        | 5000                      |   | Can also be a BP4N    |                           | 100000                      |                          | 40ml                    | 40mL                                   | Citra                      | Na :                     | Mon  | N N                         | L ex                        | 525                  | 1                   |
|   | 7698                            |          |            |           | 20 A           |   | 120                  |           | W            |          |            |               | (85)         |                 | 12                        | BP3N*                             | врзс                        | 20                        |   | n also                |                           | Ì                           |                          | VG9T                    | DG9A                                   | DG9Y                       | DGBT                     | DGSM   | AG3T                        | BP1B                        | AGTA                 |                     |
|   | DESC                            |          |            |           | 23<br>193      | _ | 185                  | _         |              | _        |            |               | 7            |                 | BP1U                      | B                                 | 뮵                           | AG2U                      | _   | 5                     |                           | į                           |                          | >                       | 0                                      | ۵                          | 0                        | 2 4  | 4                           | m 4                         | *                    |                     |
|   | ВЬЗИ                            |          |            |           | 170            |   |                      |           | 1331<br>134  |          | 22         | ×             | 12           | 1               | П                         |                                   |                             | T                         | Т   | Г                     | П                         | Т                           | Т                        | 1                       |  |                            |                          |  |                             |                             |                      |                     |
|   | BP4N                            | *:       |            |           | 180            |   | 2000<br>2000<br>2000 |           | C831         | L:       |            | $\rightarrow$ |              |                 | Pio                       |                                   |                             |                           | _   <u>-</u>  |                       |                           | 1                           |                          |                         |  |                            |                          |  |                             |                             |                      | 1                   |
| ۱ | SSAB                            |          | 100        |           |                |   |                      |           | 88           |          | H          |               |              |                 | n Na                      |                                   | ed Ja                       | ed Ja                     | ed Ja   |                       |                           | Glass                       | ŀ                        |                         |  |                            |                          |  |                             |                             |                      | 1                   |
| П | SEAS                            | , S.     |            |           | 32             |   |                      |           | 23           |          | 100        |               |              | Miec            | offfor                    | Ki                                | eserv                       | eserv                     | Peser   | 30                    | 8                         | Clear (                     | ı                        |                         |  |                            |                          |  |                             |                             |                      |                     |
| П | , Urqa                          |          | 隧          |           |                |   |                      |           |              |          |            |               | Ů.           | 100             | 120mL Colform Na Thio     | Terracore Kil                     | 2oz Unpreserved Jar         | 4oz Unpreserved Jar       | 8oz Unpreserved Jar<br>16oz Unpreserved Jar         | Ziplock Bag           | Tedlar Bag                | 1L HCL Clear Glass          | General                  |                         |  |                            |                          |  |                             |                             |                      |                     |
| 1 | USAB                            |          |            |           |                |   | 188                  | 4         |              |          |            |               |              | 50              | 120                       | Ter                               | 202                         |                           |   | П                     | Tec                       | =                           | Gener                    |                         |  |                            |                          |  |                             |                             |                      | 1                   |
| 1 | UESE                            | Н        |            | $\dashv$  | 38 de<br>30 de | _ | 536                  |           | 688<br>503   |          | 18         | _             |              | 16              | SP5T                      |                                   | WG2U                        | WGFU                      | WGKU  | ZPLC                  | TEDL                      | BG1H                        | NO S                     |                         |  |                            |                          |  |                             |                             |                      | 1                   |
|   | BP4U                            | Н        | 200<br>384 | -         | 33             |   |                      |           | 158          |          | 28         |               | 蒙            | - 100           |                           |                                   | -                           | 5                         | 5 5   | N                     |                           | ω                           | O S                      | 1                       | Π                                      |                            | T                        | 9  |                             |                             |                      |                     |
|   | ALDA                            |          |            |           |                |   | 100                  |           | 100          |          |            |               | 31           |                 | 125mL unpreserved plastic | 250mL unpreserved plastic         | 500mL unpreserved plastic 1 | citic                     |   |                       | ı,                        | ij                          |                          | 250mL Ammonium Acetate  | 40H                                    | e                          |                          | er Bottle  |                             |                             |                      |                     |
|   | нгал                            |          |            |           |                |   |                      |           |              |          | 福          |               |              |                 | erved                     | erved                             | erved.                      | 1L unpreserved plastic    | 125mL HNO3 plastic<br>250ml HNO3 plastic            | 500mL HNO3 plastic    | 250mL H2SO4 plastic       | 500mL H2SO4 plastic         | NaOH 250mL bottle        | min                     | 250mL NH4SO4-NH4OH                     | 1L NaOH, Zn Acetale        | 9                        | Na Thiosulfate Amber                                 |                             |                             |                      | -                   |
|   | ті́э́∧                          |          |            |           |                |   |                      |           |              |          | 뗉          |               | 3            | Olastio         | npres                     | npres                             | Inpres                      | serve                     | S S S   | INO3                  | 72SQ                      | 7280                        | 50mL                     | o mu                    | H4S(                                   | 4, Zn.                     | 3 plas                   | sulfate  |                             |                             |                      |                     |
|   | Яsэ́А                           |          |            |           |                |   |                      |           | 選            |          |            |               |              | ō               | 5mL L                     | Oml t                             | Oml t                       | nubre                     | SmL y   | Oml.                  | Oml.                      | OmL H                       | NaOH 250mL               | I I                     | Om L                                   | NaO                        | 1L HNO3 plastic          | Thio   |                             |                             |                      |                     |
|   | TEĐA                            |          |            |           | 300 A          | _ | 500<br>500           |           |              |          |            |               |              | 層               | 112                       | 25                                | 22                          | =                         | 12  | 20                    |                           | $\Box$                      | N Z                      | 25                      | 25                                     | 7                          |                          |  |                             |                             |                      | 1                   |
|   | VC4E<br>VC32                    |          | 883<br>880 | +         | (384)          |   | 100                  | $\exists$ | - 35<br>- 10 | _        | D&         |               | 3.41<br>3.81 | 17              | BP4U                      | BP3U                              | BP2U                        | BP10                      | BP4N<br>RP3N  | BP2N                  | BP3S                      | BP2S                        | BP3C                     | BP35                    | BP3R                                   | BP1Z                       | BP1N                     | BP1B   |                             |                             |                      |                     |
|   | ¥69¥                            |          |            | П         |                |   |                      |           | 100          |          | 20X 4      |               | 10           | 1536            |                           | -1                                |                             |                           |   |                       | SS                        | ap)                         |                          |                         | ٦                                      | 1 4                        | ш                        | 1  |                             |                             |                      |                     |
| 1 | ntaA                            |          |            |           |                |   | 133                  |           |              |          | 285        |               |              |                 | er ola:                   | er gla:                           | er ala                      | olass                     | nt bo   | olass                 | ber old                   | olue C                      | offle                    |                         |  |                            |                          |  |                             |                             |                      |                     |
| 1 | กรอ∀                            |          |            |           | 傷              |   |                      |           | 補            |          |            |               | 1000         |                 | amp:                      | s amb                             | s amb                       | 3mber                     | 1 250r  | mber                  | io am                     | JmL (t                      | 2 1 L                    | didas                   |  |                            |                          |  |                             |                             |                      |                     |
|   | บยอ∀                            |          |            |           | 350            |   | 130                  |           | N.           |          |            |               |              | Bild            | unpre                     | unpres                            | unpre                       | pres a                    | Jum C   | E AG                  | Va Th                     | te 500                      | Sulfat                   | alling                  |  |                            |                          |  |                             |                             |                      |                     |
| 1 | VG⊄N                            |          |            |           |                |   |                      |           | 26<br>2.8    |          | 236<br>915 |               | 100          | 18              | 125mL unpres amber glass  | 250mL unpres amber glass          | 500mL unpres amber glass    | 1liter unpres amber glass | Ammonium CI 250mL bottle<br>250ml H2SO4 amber plass | 125mL EDA amber glass | 250mL Na Thio amber glass | Na Sulfite 500mL (blue Cap) | Na Thiosulfale 1L bottle | (NH4CI)                 |  |                            |                          |  |                             |                             |                      | 2                   |
|   | S690                            |          | 200        |           | 200            |   | 138                  |           | 7 1          |          | 202        |               |              |                 |                           |                                   | П                           |                           | Т   | П                     |                           |                             | 7                        | Т                       | 7                                      |                            |                          |  |                             |                             |                      |                     |
|   | A690<br>1990                    |          | Trick      | $\exists$ | 237<br>538     |   | 296<br>191           |           | 1840         | - 1      | 180        |               | 17           | 101             | AG4U                      | \G30                              | AG2U                        | AG10                      | AG38  | AG4E                  | AG3T                      | AG2R                        | AG1T                     | 5 A<br>5 A<br>5 A       |  |                            |                          |  |                             |                             |                      |                     |
|   | 4650                            |          | CONT.      |           | 100            |   |                      |           | 1570         |          |            |               | 88           | 2               | 9 4                       | via! A                            | q                           |                           | 4 4   | ×                     | П                         |                             |                          | - A                     | T                                      |                            |                          |  |                             |                             |                      |                     |
| 1 | DC9X                            |          | 5.3        |           |                |   | S                    |           | 138          |          | 131        |               | . 8          | 18              | lial                      | clear                             |                             | vial                      | le vial   | d'S                   | d 40m                     |                             | 04 40                    | î                       |  |                            |                          |  |                             |                             |                      |                     |
| 1 | 169Cl                           |          | 43         |           |                |   |                      |           | 1            |          |            |               | SK.          | SOLINE.         | 40mL unpres clear vial    | 40mL Ascorbic-HCl clear vial AG3U | ar vial                     | 40mL Sulfuirc clear vial  | 40mL Na Thiosulfate vial                            | 40mL amber vial - TSP | Ascorbic/Maleic Acid 40mL | Viai                        | Ammonium CI/CuSO4 40mL   | IL Unples Jar (Cori Cu) | jā.                                    | ä                          |                          |  |                             |                             |                      |                     |
| - | NG82                            |          | 35         |           | 37             |   | l C                  |           | 9)           |          | 15         |               | 150          | 810             | Sand                      | scorbit                           | 40mL HCI clear vial         | ulfuiro                   | a Thic  | nber                  | :/Male                    | Na Thio 60mL Vial           | C HA                     | ES JA                   | 8oz clear soil jar                     | doz çlear soil jar         |                          |  |                             |                             |                      |                     |
|   | ∧G9H                            |          | (6)        |           | 8/19           | _ | 1 1                  |           |              |          | 3          |               |              |                 | m m                       | mL A:                             | I I II                      | JmL S                     | E E   | mL ar                 | corbic                    | 3 Thio                      | nomn.                    |                         | z clea                                 | z cles                     |                          |  |                             |                             |                      | 밁                   |
|   | VG9C                            | H        | 4.7        |           | 26             |   | T)                   |           | 71           | -        |            |               | 1.5          |                 |                           |                                   | П                           |                           |   | T                     |                           |                             |                          |                         |  |                            |                          | 7.8×   |                             |                             |                      | mmer                |
|   | NOTEM<br>1105/A                 |          |            |           |                | - |                      |           |              |          |            |               |              | Cantainer Codes | VG9U                      | VG9C                              | VG9H                        | VG9S                      | DG9T  | DG9P                  | DG9A                      | DGST                        | DG9S                     | 2                       | WG50                                   | W340                       |                          |  |                             |                             |                      | Additional Comments |
|   | COC<br>Line<br>Item             |          |            |           |                |   |                      | -         |              |          | B          |               | p            | ner (           | 1.5                       | -                                 |                             |                           |   |                       | -                         |                             |                          | -                       | -                                      |                            |                          |  |                             |                             |                      | ö                   |

Pace® Analytical Services, LLC

Page 20 of 21 graphs

| Effective Date: 10/13/2023   | HOU. TOOTOOLO  |
|--|--|
|  | WO#:70279319   |
| Client Name: INTCOTCLISAD  |  |
| Courier: Fed Ex UPS USPS Clien Commercial  | Pacc Other CLIENT: INTERTEKLEAD  |
| Courier: Fed Ex UPS USPS Clien Commercial  | J Pade Other   |
| Tracking #: 7100 9430 3158   |  |
| Custody Seal on Cooler/Box Present: ☐Yes ☐ No Seals in Packing Material: ☐ Bubble Wrap☐ Bubble Bags☐ Ziplo☑  | ntact: Yes No Temperature Blank Present: ☐ Yes No Non⊖ Other Type of Ice: Wet Blue None    |
| To the state of the correction Eactor:   | <ul> <li>☐ Samples on ice, cooling process has begun</li> </ul>                            |
| Cooler Temperature (°C): 2 8 Cooler Temperature Co   | rrected(°C): 1 4 . 2-Date/Time 5035A kits placed in freezer                                |
| USDA Regulated Soil ( N/A, water sample)   |  |
| Did samples originate in a quarantine zone within the United Story or VA (check  | tates: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX,<br>kk map)?□ Ye□ No |
| Did samples orignate from a foreign source   | ce including Hawaii and Puerto Rico)? 🔲 Yes 🗀 No   |
| If Yes to either question, fill out a Regulated Soil Check   | list (ENV-FRM-MELV-0076) and include with SCUR/COC paperwork.                              |
|  | Date and Initials of person examining contents: 12/1/2 3 5#                                |
|  | COMMENTS:  |
| Chain of Custody Present:  | 1.   |
| Chain of Custody Filled Out:   | 2.   |
| Chain of Custody Relinquished:   | 3.   |
| Sampler Name & Signature on COC: Mes UNO UNIA  | 5.   |
| Samples Arrived within Hold Time:   Short Hold Time Analysis (<72hr):   Yes   No   | 6.   |
| Rush Turn Around Time Requested DYes ONO   | 7.   |
| Sufficient Volume: (Triple volume provided for MS/MSD)   | 8.   |
| Correct Containers Used:   | 9.   |
| -Pace Containers Used: □Yes □No  | 10.  |
| Containers Intact: AYes ONO  Filtered volume received for OYes ONO OMA   | 11. Note: if sediment is visible in the dissolved container.                               |
| Filtered volume received for Pes ONO ONTA  Dissolved tests   |  |
| Sample Labels match COC: Dies DNo  | 12.  |
| -Includes date/time/ID/Analysis Matrix: SL WT OIL OTHER  | Date and Initials of person checking preservation: JH 12/1/2                               |
|  |  |
| All containers needing preservation Pres No N/A  | 13. □ HNO₃ □ H₂SO₄ □ NaOH □ HCI  |
| Ihave been / *   | Sample   |
| pH paper Lot # 22 78 22 All containers needing preservation are found to be  | #  |
| in compliance with method recommendation?  |  |
| (HNO <sub>3</sub> , H₂SO <sub>4</sub> , HCl, NaOH>9 Sulfide, pYes □No □N/A   |  |
| NAOH>12 Cyanide)   |  |
| Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease,  | Initial when completed: Lot # of added Date/Time preservative added:                       |
| DRO/8015 (water). Per Method, VOA pH is checked after analysis   | preservative:  |
| Samples checked for dechlorination:   Samples checked for dechlorinati | 14.  |
| KI starch test strips Lot #  |  |
| Residual chlorine strips Lot #   | Positive for Res. Chlorine? Y N  |
| SM 4500 CN samples checked for sul pres on one   | 15. Positive for Sulfide? Y N  |
| Lead Acetate Strips Lot # Headspace in VOA Vials (>6mm): □Yes □No ∠N/A   | 16.  |
| Headspace in VOA Vials (>6mm): QYes QNO GN/A Trip Blank Present: QYes QNO gN/A   | 17.  |
| Trin Blank Custody Seals Present DYes DNo DN/A   |  |
| DATE AND INITIALS O  | F PERSON COMPLETING SECOND REVIEW :  |
| Client Notification/ Resolution:   | Field Data Required? Y / N   |
| Person Contacted:  | Date/Time:   |
| Comments/ Resolution:  |  |
|  |  |

DC#\_Title: ENV-FRM-MELV-0024 v04\_SCUR

<sup>\*</sup> PM (Project Manager) review is documented electronically in LIMS.

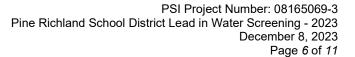




TABLE 2.0
DRINKING WATER SAMPLES
Pine Richland Hance Elementary
Sample Date: November 30, 2023

| Sample No. | Source | Sample Location    | Sample<br>type | Analytical<br>Result (Pb)<br>(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



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

Sou Buyer

Project Manager

**Enclosures** 







#### **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



Project: PINE-RICHLAND-HANCE 11/30

Pace Project No.: 70279361

Date: 12/07/2023 12:20 PM

| Sample: H-13                   | Lab ID: 702 | 79361001   | Collected: 11/30/2 | 3 06:51 | Received: 1 | 2/01/23 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              |      |  |  |



Project: PINE-RICHLAND-HANCE 11/30

Pace Project No.: 70279361

| Sample: H-14                   | Lab ID: 702    | 79361002 | Collected: 11/30/2 | 3 06:54 | Received: 12 | 2/01/23 10:55  | Matrix: Drinking Water |      |  |
|--------------------------------|----------------|----------|--------------------|---------|--------------|----------------|------------------------|------|--|
| Parameters                     | Results        | Units    | Report Limit       | DF      | Prepared     | Analyzed       | CAS No.                | Qual |  |
| 200.8 MET ICPMS Drinking Water | Analytical Met |          |                    |         |              |                |                        |      |  |
| Lead                           | <1.0           | ug/L     | 1.0                | 1       |              | 12/06/23 13:16 | 7439-92-1              |      |  |



Project: PINE-RICHLAND-HANCE 11/30

Pace Project No.: 70279361

| Sample: H-14-2                 | Lab ID: 702    | 79361003 | Collected: 11/30/2 | 23 06:56 | Received: 1 | 2/01/23 10:55  | Matrix: Drinking Water |      |  |
|--------------------------------|----------------|----------|--------------------|----------|-------------|----------------|------------------------|------|--|
| Parameters                     | Results        | Units    | Report Limit       | DF       | Prepared    | Analyzed       | CAS No.                | Qual |  |
| 200.8 MET ICPMS Drinking Water | Analytical Met |          |                    |          |             |                |                        |      |  |
| Lead                           | <1.0           | ug/L     | 1.0                | 1        |             | 12/06/23 13:18 | 7439-92-1              |      |  |



Project: PINE-RICHLAND-HANCE 11/30

Pace Project No.: 70279361

| Sample: H-15                   | Lab ID: 702    | 79361004 | Collected: 11/30/2 | 23 07:18 | Received: 12 | 2/01/23 10:55  | Matrix: Drinking Water |      |  |  |
|--------------------------------|----------------|----------|--------------------|----------|--------------|----------------|------------------------|------|--|--|
| Parameters                     | Results        | Units    | Report Limit       | DF       | Prepared     | Analyzed       | CAS No.                | Qual |  |  |
| 200.8 MET ICPMS Drinking Water | Analytical Met |          |                    |          |              |                |                        |      |  |  |
| Lead                           | <1.0           | ug/L     | 1.0                | 1        |              | 12/06/23 13:19 | 7439-92-1              |      |  |  |



Project: PINE-RICHLAND-HANCE 11/30

Pace Project No.: 70279361

| Sample: H-16                   | Lab ID: 702                      | 79361005 | Collected: 11/30/2 | 23 06:59 | Received: 1 | 2/01/23 10:55 | Matrix: Drinking Water |      |  |
|--------------------------------|----------------------------------|----------|--------------------|----------|-------------|---------------|------------------------|------|--|
| Parameters                     | Results                          | Units    | Report Limit       | DF       | Prepared    | Analyzed      | CAS No.                | Qual |  |
| 200.8 MET ICPMS Drinking Water | Analytical Met<br>Pace Analytica |          |                    |          |             |               |                        |      |  |
| Lead                           | <1.0                             | ug/L     | 1.0                | 1        |             | 12/06/23 13:2 | 1 7439-92-1            |      |  |



Project: PINE-RICHLAND-HANCE 11/30

Pace Project No.: 70279361

| Sample: H-19                   | Lab ID: 702                      | 79361006 | Collected: 11/30/2 | 3 07:02  | Received: 1 | 2/01/23 10:55  | Matrix: Drinking Water |  |  |
|--------------------------------|----------------------------------|----------|--------------------|----------|-------------|----------------|------------------------|--|--|
| Parameters                     | Results Units Report Limit       |          | DF                 | Prepared | Analyzed    | CAS No.        | Qual                   |  |  |
| 200.8 MET ICPMS Drinking Water | Analytical Met<br>Pace Analytica |          |                    |          |             |                |                        |  |  |
| Lead                           | <1.0                             | ug/L     | 1.0                | 1        |             | 12/06/23 13:22 | 7439-92-1              |  |  |



Project: PINE-RICHLAND-HANCE 11/30

Pace Project No.: 70279361

Date: 12/07/2023 12:20 PM

| Sample: H-20                   | Lab ID: 702                      | 79361007 | Collected: 11/30/2 | 3 07:05  | Received: 1 | 2/01/23 10:55  | Matrix: Drinking Water |  |  |
|--------------------------------|----------------------------------|----------|--------------------|----------|-------------|----------------|------------------------|--|--|
| Parameters                     | Results Units Report Limit DF    |          | DF                 | Prepared | Analyzed    | CAS No.        | Qual                   |  |  |
| 200.8 MET ICPMS Drinking Water | Analytical Met<br>Pace Analytica |          |                    |          |             |                |                        |  |  |
| Lead                           | <1.0                             | ug/L     | 1.0                | 1        |             | 12/06/23 13:24 | 7439-92-1              |  |  |



Project: PINE-RICHLAND-HANCE 11/30

Pace Project No.: 70279361

Date: 12/07/2023 12:20 PM

| Sample: H-21                   | Lab ID: 702                      | 79361008 | Collected: 11/30/2 | 3 07:10 | Received: 1 | 2/01/23 10:55  | Matrix: Drinking Water |      |  |
|--------------------------------|----------------------------------|----------|--------------------|---------|-------------|----------------|------------------------|------|--|
| Parameters                     | Results Units Report Limit DF    |          |                    | DF      | Prepared    | Analyzed       | CAS No.                | Qual |  |
| 200.8 MET ICPMS Drinking Water | Analytical Met<br>Pace Analytica |          |                    |         |             |                |                        |      |  |
| Lead                           | <1.0                             | ug/L     | 1.0                | 1       |             | 12/06/23 13:25 | 7439-92-1              |      |  |



Project: PINE-RICHLAND-HANCE 11/30

Pace Project No.: 70279361

Date: 12/07/2023 12:20 PM

| Sample: H-22                   | Lab ID: 702    | 79361009                | Collected: 11/30/2 | 3 07:08 | Received: 12 | 2/01/23 10:55  | Matrix: Drinking Water |      |  |
|--------------------------------|----------------|-------------------------|--------------------|---------|--------------|----------------|------------------------|------|--|
| Parameters                     | Results        | Results Units Report Li |                    | DF      | Prepared     | Analyzed       | CAS No.                | Qual |  |
| 200.8 MET ICPMS Drinking Water | Analytical Met |                         |                    |         |              |                |                        |      |  |
| Lead                           | <1.0           | ug/L                    | 1.0                | 1       |              | 12/06/23 13:27 | 7439-92-1              |      |  |



Project: PINE-RICHLAND-HANCE 11/30

Pace Project No.: 70279361

| Sample: H-18                   | Lab ID: 702          | 79361010 | Collected: 11/30/2 | 3 07:14 | Received: 1 | 2/01/23 10:55  | Matrix: Drinking Water |      |  |
|--------------------------------|----------------------|----------|--------------------|---------|-------------|----------------|------------------------|------|--|
| Parameters                     | Results Units Report |          |                    | DF      | Prepared    | Analyzed       | CAS No.                | Qual |  |
| 200.8 MET ICPMS Drinking Water | Analytical Met       |          |                    |         |             |                |                        |      |  |
| Lead                           | <1.0                 | ug/L     | 1.0                | 1       |             | 12/06/23 13:28 | 3 7439-92-1            |      |  |



#### **QUALITY CONTROL DATA**

Project: PINE-RICHLAND-HANCE 11/30

Pace Project No.: 70279361

Lead

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

1.0

12/06/23 13:05

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

ug/L

Blank Reporting

<1.0

Parameter Units Result Limit Analyzed Qualifiers

LABORATORY CONTROL SAMPLE: 1688137

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

MATRIX SPIKE SAMPLE: 1688139

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

SAMPLE DUPLICATE: 1688138

Date: 12/07/2023 12:20 PM

 Parameter
 Units
 Result Result 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.



#### **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.

Date: 12/07/2023 12:20 PM



## **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<br>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   |                   |                     |

\*\*Container Size: (1) 11, (2) S00mL, (3) 250mL, (4)

125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8)

Terracore, (9) Other

\*\*\*Preservative Types: (1) None, (2) HNO3, (3)

H2004, (4) HCI, (5) NaOH, (6) Zo Acetate, (7)

NaH504, (8) Sod Thiosulfate, (9) Ascorbic Add, (10)

MeOH, (11) Other Corrected Temp. (°C) Preservation non-conformance identified for Sample Comment relog / Bottle Ord. ID. cctNum / Client ID: Profile / Template: Obs. Temp. ("C) Lori Beyer Proj. Mgr. 1150798 Correction Factor ("C): MO#: 70279361 Identify Container Preservative Type \*\*\* Additional Instructions from Pace®; Thermometer ID: Specify Container Size \*\* Analysis Requested # Coolers: Number & Type of Containers Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Soild (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Other (OT), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk Field Filtered (if applicable): [ ] Yes [ ] No CHAIN-OF-CUSTODY Analytical Request Document DW PWSID # or WW Permit # as applicable hain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields Res. CL2 Time Composite End 62-06-11 412.385.0469 57-05-II -20-53:7 Date Printed Name: Collected By: mike kopar@intertek com Signature: Sumo 17.50 C. 50 E./ 6:56M THE APPR 7:07 1-124 7:02 C Sylver 7:02.00 7:[440 Mike Kopar County / State origin of sample(s): Regulatory Program (DW, RCRA, etc.) as applicable: (or Composite Start) Rush (Pre-approval required): ] 2 Day [ ] 3 day [ ] 5 day [ ] Other Purchase Order # (if applicable): oice E-Mail: nvoice To: Cc E-Mail: Phone #: Quote #: E-Mail: Matrix \* Grab • B Date Results Requested: 20 [ ]ct 850 Poplar Street, Pittsburgh, PA 15220 Pace Analytical Long Island NY 575 Broad Hollow Rd, Melville, NY 11747 Sustomer Remarks / Special Conditions / Possible Hazards Pace® Location Requested (City/State) 08165069.3 School Lead Sampling [ ]MT Customer Sample 1D TANCH [ ] AK [ ]PT INTERTEKLEAD 7-13-H BH-8 [ ] Level [II 77-1 H-IS 12-H 7-12 61-A H-13 **bl-** H 4-20 Pace" me Zone Collected: Customer Project #: ata Deliverables: reet Address: oject Name: [ ] Level [ [ ] Equis Other

ENV-FRM-CORQ-0019\_v01\_082123 © 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/constitutes

Received by/Company: (Signature)

Jate/Time:

Relinquisted by/Company: (Signature)

O

Relinquisted by/Company: (Signature)

inquished by/Company: (Signature)

elinquished by/Company: (Signature

Received by/Company (Sign

11.30.13

Delivered by: [ ] In- Person [ ] Courier

[ ] FedEx [ ] UPS [ ] Other

Page:

Date/Time: Date/Time:

| : 4/10/2023    |
|----------------|
| Effective Date |
|                |

| oject   |   |     |    |    |       |    |                 |  |                                |   |                          |                    |                     |  |      |              |                                    |       |                                  |                               | - | Sender Initials |
|---|---|-----|----|----|-------|----|-----------------|--|--------------------------------|---|--------------------------|--------------------|---------------------|--|------|--------------|------------------------------------|-------|----------------------------------|-------------------------------|---|-----------------|
| Use Point Number Spreadsheet Add SCLOGFD to first sample for field charge | SOC<br>NAS<br>CENC<br>SENC<br>MEDA<br>MEKA<br>MEKA  | 4   |    |    |       |    | MARTIN          | WT Water                                       | SL Solid                       |   | WP Wipe                  | 1                  |                     |  |      |              |                                    |       |                                  |                               |   | S               |
| Use Point Number Spreadsheet Add SCLOGFD to first sample f                | 98-24<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34<br>98-34 |     |    |    |       |    |                 | BP1U 1L unpreserved plastic                    |                                | AG2U 500mL underes amber class                                      |                          | Can also be a BP4N |                     |  | SOC  |              | DG9V   Citrate/Na Thiosultate 40ml |       |                                  | AG3U 250mL unpres amber glass |   |                 |
| 8705  | 19530<br>19530<br>19530<br>19530<br>19530<br>19530<br>19540<br>19540  |     |    |    |       |    |                 | Miss.<br>SP5T 120mL Coliform Na Thio           | Π.                             | WGZU Zoz Unpreserved Jar  | WGKU Boz Unpreserved Jar |                    |                     | BGTH 1L HCL Clear Glass GN General         |      |              |                                    |       |                                  |                               |   |                 |
| 4D Profile #: 6   | AG35 AG37 AG37 AG37 AG37 AG37 AG37 AG37   |     |    |    |       |    |                 | Plastic Plastic BP4U 125mL unpreserved plastic | BP3U 250mL unpreserved plastic | BP1U 1L unpreserved plastic   | BP4N                     | BP2N               | 250mL H2SO4 plastic | NaOH 250ml bottle                          | П    |              | RP17 11 NaOH Zo Apotate            | П     | BP1B Na Thiosulfate Amber Bottle |                               |   |                 |
| RICHLOND -  | AG30<br>AG30<br>AG30<br>AG30<br>AG30<br>AG30<br>AG30<br>AG30  |     |    |    | •     |    |                 | vial AG4U 125mL unbres amber class             | ar vial AG3U                   | AGZU Subm. unpres amber glass rivial AG1U Titler unpres amber glass | П                        |                    | AG3T                | O4 40ml AG1T Na Thiosulfate 1L bottle BP3C | AG1H | AG1A (NH4CI) |                                    |       |                                  |                               |   |                 |
| Client: TWE   | 000 PG90 AG90 PG90 PG90 PG90 PG90 PG90 PG90 PG90 P  | n = | v, | 7. | en di | 12 | Container Codes | VG9U 40mL unpres clear vial                    |                                | VG9S 40mL Sulfuire clear vial                                       |                          |                    |                     | DG9S Ammonium C//CuSO4 40ml                |      |              | WG4O 402 clear soil lar            | T - T | , 4                              |                               |   |                 |

AG1A 525,3 Cher

MO#: 70279361
PM: LAB Due Date: 12/15/23
CLIENT: INTERTEKLERD

Page 17 of 18

Additional Comments

DC#\_Title: ENV-FRM-MELV-0024 v04\_SCUR

Effective Date: 10/13/2023

|   | WO#:    | 7027936   | 1       |
|---|---------|-----------|---------|
| # | PM: LAB | Due Date: | 12/15/2 |

| Client Name:  | nad        |            |            | Project # PM: LA  | Due Date: 12/15/2  |
|---|------------|------------|------------|---|--|
| Courier: Fed Ex UPS USF   | PSCI Clie  | en Co      | ommercia   | Pacc Other CLIENT   | : INTERTEKLEAD   |
| Tracking #: 7101 9430   |            | J.I 0.     | J          | J . 1502 Other  |  |
| Custody Seal on Cooler/Box Prese  |            |            | 01         |   | District Dis |
| Packing Material:   Bubble Wrap   | 3 Bubbl    | e Bags[    | ] Ziplo□   | Non⊕ Other Type of Ice                                    | e: Wet Blue None   |
| Thermometer Used: 11-21   | Correc     | ction Fac  | ctor: 📩    | □ Samples o   | n ice, cooling process has begun   |
| Cooler Temperature(°C):   | Cooler     | Tempe      | rature Co  | rected(°C): Date/Time                                     | 5035A kits placed in freezer   |
| Temp should be above freezing to 6.0°C  |            |            |            |   |  |
| USDA Regulated Soil ( N/A, wat  | er sample  | e)         |            |   |  |
| Did samples originate in a quaranti   | ne zone v  | vithin the | United St  | ates: AL, AR, CA, FL, GA, ID, LA                          | , MS, NC, NM, NY, OK, OR, SC, TN, TX,  |
|   |            | or         | VA (chec   | cmap)?□ Ye□ No  |  |
| Did samples o   | rignate fr | om a fore  | eign sourc | including Hawaii and Puerto Rid                           | co)? □ Yes□ No   |
|   | 1.07       |            | _          | NEWS CO.  | include with SCUR/COC paperwork.   |
| Tres to ettier question, in or  | it a Negu  | nateu St   | JII CHECK  | Date and Initials of perso                                |  |
|   |            |            |            | Date and initials of perso                                | Texamining contents. 12  |
|   |            |            |            | C   | OMMENTS:   |
| 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     | DNO        |            | 6.  |  |
| Rush Turn Around Time Requeste  | ed □Yes    | DMC        |            | 7.  |  |
| Sufficient Volume: (Triple volume   | gYes       | □No        |            | 8.  |  |
| provided for MS/MSD)  |            |            |            |   |  |
| Correct Containers Used:  | □Yes       | □No        |            | 9.  |  |
| -Pace Containers Used:  | □ Yes      | □No        |            |   |  |
| Containers Intact:  | □Yes       | No_        |            | 10.   |  |
| Filtered volume received for  | □Yes       | □No        | DNA        | 11. Note: if sediment is visible                          | e in the dissolved container.  |
| Dissolved tests   |            | -          |            |   |  |
| Sample Labels match COC:  | □Yes □     | □No        | OTHER      | 12.   |  |
| -Includes date/time/ID/Analysis Matrix  | K: SL V    | V) OIL     | OTHER      | Data and Initials of your                                 |  |
|   | 6          |            |            | Date and Initials of perso                                | n checking preservation:   |
| All containers needing preservation   | 15         | A1-        | ALIA       | 13. □ HNO <sub>3</sub> □ H <sub>2</sub> SO <sub>4</sub> □ | NaOH DHCI  |
| have been   | Yes        | □No        | □N/A       |   |  |
| pH paper Lot # 227627   |            |            |            | Sample  |  |
| All containers needing preservation   |            |            |            | #   |  |
| in compliance with method recomme   |            |            |            |   | ľ  |
| (HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCl, NaOH>9 Sulfide  | e, Yes     | □No        | □N/A       |   |  |
| NAOH>12 Cyanide)  |            |            |            |   |  |
| Exceptions: VOA, Coliform, TOC/DC   | C, Oil an  | d Grease   | э,         |   |  |
| DRO/8015 (water).   | 167.3      |            |            | Initial when completed: Lot # of added preservative:      | Date/Time preservative added:  |
| Per Method, VOA pH is checked after   |            |            | 26         |   |  |
| Samples checked for dechlorination:   | ⊢ □Yes     | □No        | □N/A       | 14.   |  |
| KI starch test strips Lot #   |            |            |            |   |  |
| Residual chlorine strips Lot #  |            |            | 114        |   | N  |
| SM 4500 CN samples checked for s  | ul 🗆 Yes   | □No        | □I\/A      | 15.   |  |
| Lead Acetate Strips Lot #   |            |            |            |   | N  |
| Headspace in VOA Vials ( >6mm):   | □Yes       | □No        | □N/A       | 16.   |  |
| Trip Blank Custody Scale Brosont  | □Yes       | □No        | □N/A       | 17.   |  |
| Trip Blank Custody Seals Present  | □Yes       | □No        | □N/A       | DEDCON COMPLETING OFFICE                                  | ND DEVIEW  |
| 011 - 111 - 115 - 11 - 115 - 11 | DATE       | AND INI    | HALS OF    | PERSON COMPLETING SECO                                    |  |
| Client Notification/ Resolution:  |            |            |            | •   | / N  |
| Person Contacted:   |            |            |            | Date/Time:  |  |
| Comments/ Resolution:   |            | _          |            |   |  |
|   |            |            |            |   |  |
|   |            | _          |            |   |  |
|   |            |            |            |   |  |
|   |            |            |            |   |  |

 $<sup>\</sup>mbox{^{\mbox{\tiny $\Phi$}}}$  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<br>type | Analytical<br>Result (Pb)<br>(ug/L = ppb) |
|------------|--------|---------------------------------------|----------------|---|
| HS-23      | Sink   | Kit – near pizza oven                 | First Draw     | < 1.0                                     |
| HS-24      | Sink   | Kit – outside Storage<br>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<br>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 A. Beyer lori.beyer@pacelabs.com 516-370-6014

Sou Buyer

Project Manager

Enclosures







#### **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



Project: PINE-RICHLAND HIGH SCHOOL11/30

Pace Project No.: 70279326

Date: 12/07/2023 12:20 PM

| Sample: HS-23                  | Lab ID: 702    | 79326001 | Collected: 11/30/2 | 23 06:30 | Received: 12 | 2/01/23 10:55  | Matrix: Drinking | Water |
|--------------------------------|----------------|----------|--------------------|----------|--------------|----------------|------------------|-------|
| Parameters                     | Results        | Units    | Report Limit       | DF       | Prepared     | Analyzed       | CAS No.          | Qual  |
| 200.8 MET ICPMS Drinking Water | Analytical Met |          |                    |          |              |                |                  |       |
| Lead                           | <1.0           | ug/L     | 1.0                | 1        |              | 12/06/23 12:39 | 7439-92-1        |       |



Project: PINE-RICHLAND HIGH SCHOOL11/30

Pace Project No.: 70279326

Date: 12/07/2023 12:20 PM

| Sample: HS-24                  | Lab ID: 702    | 79326002 | Collected: 11/30/2 | 3 06:30 | Received: 12 | 2/01/23 10:55 | Matrix: Drinking | Water |
|--------------------------------|----------------|----------|--------------------|---------|--------------|---------------|------------------|-------|
| Parameters                     | Results        | Units    | Report Limit       | DF      | Prepared     | Analyzed      | CAS No.          | Qual  |
| 200.8 MET ICPMS Drinking Water | Analytical Met |          |                    |         |              |               |                  |       |
| Lead                           | <1.0           | ug/L     | 1.0                | 1       |              | 12/06/23 12:4 | 7439-92-1        |       |



Project: PINE-RICHLAND HIGH SCHOOL11/30

Pace Project No.: 70279326

Date: 12/07/2023 12:20 PM

| Sample: HS-25                  | Lab ID: 702    | 279326003 | Collected: 11/30/2 | 23 06:30 | Received: 12 | 2/01/23 10:55  | Matrix: Drinking | Water |
|--------------------------------|----------------|-----------|--------------------|----------|--------------|----------------|------------------|-------|
| Parameters                     | Results        | Units     | Report Limit       | DF       | Prepared     | Analyzed       | CAS No.          | Qual  |
| 200.8 MET ICPMS Drinking Water | Analytical Met |           |                    |          |              |                |                  |       |
| Lead                           | <1.0           | ug/L      | 1.0                | 1        |              | 12/06/23 12:42 | 7439-92-1        |       |



Project: PINE-RICHLAND HIGH SCHOOL11/30

Pace Project No.: 70279326

Date: 12/07/2023 12:20 PM

| Sample: HS-26                  | Lab ID: 702                  | 279326004 | Collected: 11/30/2 | 23 06:47 | Received: 12 | 2/01/23 10:55  | Matrix: Drinking | Water |
|--------------------------------|------------------------------|-----------|--------------------|----------|--------------|----------------|------------------|-------|
| Parameters                     | Results                      | Units     | Report Limit       | DF       | Prepared     | Analyzed       | CAS No.          | Qual  |
| 200.8 MET ICPMS Drinking Water | hod: EPA 20<br>al Services - |           |                    |          |              |                |                  |       |
| Lead                           | <1.0                         | ug/L      | 1.0                | 1        |              | 12/06/23 12:44 | 7439-92-1        |       |



Project: PINE-RICHLAND HIGH SCHOOL11/30

Pace Project No.: 70279326

Date: 12/07/2023 12:20 PM

| Sample: HS-28 BF               | Lab ID: 702    | 79326005 | Collected: 11/30/2 | 3 06:47 | Received: 12 | 2/01/23 10:55  | Matrix: Drinking | Water |
|--------------------------------|----------------|----------|--------------------|---------|--------------|----------------|------------------|-------|
| Parameters                     | Results        | Units    | Report Limit       | DF      | Prepared     | Analyzed       | CAS No.          | Qual  |
| 200.8 MET ICPMS Drinking Water | Analytical Met |          |                    |         |              |                |                  |       |
| Lead                           | <1.0           | ug/L     | 1.0                | 1       |              | 12/06/23 12:46 | 7439-92-1        |       |



Project: PINE-RICHLAND HIGH SCHOOL11/30

Pace Project No.: 70279326

Date: 12/07/2023 12:20 PM

| Sample: HS-29                  | Lab ID: 702   | 79326006 | Collected: 11/30/2 | 3 06:47 | Received: 12 | 2/01/23 10:55  | Matrix: Drinking | Water |
|--------------------------------|---|----------|--------------------|---------|--------------|----------------|------------------|-------|
| Parameters                     | Results   | Units    | Report Limit       | DF      | Prepared     | Analyzed       | CAS No.          | Qual  |
| 200.8 MET ICPMS Drinking Water | 200.8 MET ICPMS Drinking Water Analytical Method: EPA 20 Pace Analytical Services |          |                    |         |              |                |                  |       |
| Lead                           | <1.0  | ug/L     | 1.0                | 1       |              | 12/06/23 12:47 | 7 7439-92-1      |       |



Project: PINE-RICHLAND HIGH SCHOOL11/30

Pace Project No.: 70279326

Date: 12/07/2023 12:20 PM

| Sample: HS-30                  | Lab ID: 702  | 79326007 | Collected: 11/30/2 | 3 07:14 | Received: 1 | 2/01/23 10:55  | Matrix: Drinking | Water |
|--------------------------------|--|----------|--------------------|---------|-------------|----------------|------------------|-------|
| Parameters                     | Results  | Units    | Report Limit       | DF      | Prepared    | Analyzed       | CAS No.          | Qual  |
| 200.8 MET ICPMS Drinking Water | 200.8 MET ICPMS Drinking Water  Analytical Method: EPA 20 Pace Analytical Services |          |                    |         |             |                |                  |       |
| Lead                           | <1.0   | ug/L     | 1.0                | 1       |             | 12/06/23 12:49 | 7439-92-1        |       |



Project: PINE-RICHLAND HIGH SCHOOL11/30

Pace Project No.: 70279326

| Sample: HS-31                  | Lab ID: 702    | 279326008 | Collected: 11/30/2 | 23 06:51 | Received: 12 | 2/01/23 10:55  | Matrix: Drinking | Water |
|--------------------------------|----------------|-----------|--------------------|----------|--------------|----------------|------------------|-------|
| Parameters                     | Results        | Units     | Report Limit       | DF       | Prepared     | Analyzed       | CAS No.          | Qual  |
| 200.8 MET ICPMS Drinking Water | Analytical Met |           |                    |          |              |                |                  |       |
| Lead                           | <1.0           | ug/L      | 1.0                | 1        |              | 12/06/23 12:50 | 7439-92-1        |       |



Project: PINE-RICHLAND HIGH SCHOOL11/30

Pace Project No.: 70279326

| Sample: HS-32                  | Lab ID: 702     | 79326009 | Collected: 11/30/2 | 3 06:51 | Received: 12 | 2/01/23 10:55 I | Matrix: Drinking | Water |
|--------------------------------|-----------------|----------|--------------------|---------|--------------|-----------------|------------------|-------|
| Parameters                     | Results         | Units    | Report Limit       | DF      | Prepared     | Analyzed        | CAS No.          | Qual  |
| 200.8 MET ICPMS Drinking Water | 0.8<br>Melville |          |                    |         |              |                 |                  |       |
| Lead                           | <1.0            | ug/L     | 1.0                | 1       |              | 12/06/23 12:52  | 7439-92-1        |       |



Project: PINE-RICHLAND HIGH SCHOOL11/30

Pace Project No.: 70279326

Date: 12/07/2023 12:20 PM

| Sample: HS-33                  | Lab ID: 702    | 79326010 | Collected: 11/30/2 | 23 07:00 | Received: 12 | 2/01/23 10:55  | Matrix: Drinking Water |      |  |  |  |
|--------------------------------|----------------|----------|--------------------|----------|--------------|----------------|------------------------|------|--|--|--|
| Parameters                     | Results        | Units    | Report Limit       | DF       | Prepared     | Analyzed       | CAS No.                | Qual |  |  |  |
| 200.8 MET ICPMS Drinking Water | Analytical Met |          |                    |          |              |                |                        |      |  |  |  |
| Lead                           | <1.0           | ug/L     | 1.0                | 1        |              | 12/06/23 12:56 | 7439-92-1              |      |  |  |  |



Project: PINE-RICHLAND HIGH SCHOOL11/30

Pace Project No.: 70279326

Date: 12/07/2023 12:20 PM

| Sample: HS-34                  | Lab ID: 702    | 79326011 | Collected: 11/30/2 | 23 07:00 | Received: 12 | 2/01/23 10:55  | Matrix: Drinking Water |      |  |  |  |
|--------------------------------|----------------|----------|--------------------|----------|--------------|----------------|------------------------|------|--|--|--|
| Parameters                     | Results        | Units    | Report Limit       | DF       | Prepared     | Analyzed       | CAS No.                | Qual |  |  |  |
| 200.8 MET ICPMS Drinking Water | Analytical Met |          |                    |          |              |                |                        |      |  |  |  |
| Lead                           | <1.0           | ug/L     | 1.0                | 1        |              | 12/06/23 12:58 | 7439-92-1              |      |  |  |  |



#### **QUALITY CONTROL DATA**

Project: PINE-RICHLAND HIGH SCHOOL11/30

Pace Project No.: 70279326

Lead

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

Blank Reporting

 Parameter
 Units
 Result
 Limit
 Analyzed
 Qualifiers

 ug/L
 <1.0</td>
 1.0
 12/06/23 12:06

LABORATORY CONTROL SAMPLE: 1688130

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

MATRIX SPIKE SAMPLE: 1688132

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

MATRIX SPIKE SAMPLE: 1688134

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

SAMPLE DUPLICATE: 1688131

 Parameter
 Units
 Result Result Result RPD
 Qualifiers

 Lead
 ug/L
 <1.0</td>
 <1.0</td>

SAMPLE DUPLICATE: 1688133

Date: 12/07/2023 12:20 PM

 Parameter
 Units
 Result Result Result RPD
 Qualifiers

 Lead
 ug/L
 <1.0</td>
 <1.0</td>

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.



#### **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.

Date: 12/07/2023 12:20 PM



## **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<br>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 Analytical Long Island NY 575 Broad Hollow Rd, Melville, NY 11747 Pace® Location Requested (City/State): 850 Poplar Stree INTERTEKLEAD Pace Company Name: treet Address:

CHAIN-OF-CUSTODY Analytical Request Document

-

WO#: 70279326

|               | ı |
|---------------|---|
| <u>~</u>      | ı |
| m             | ı |
| =             | 1 |
| -             | ۱ |
| t<br>Te       | 1 |
| levan         | ı |
| rd            | ۱ |
| -2            | ı |
| <b>5</b> 1    |   |
| <u></u>       |   |
| m)            |   |
| ~             |   |
| =             |   |
| =             |   |
| C3            |   |
|               |   |
| ω.            |   |
| nplete all re |   |
| 127           |   |
| _             |   |
| Ē             |   |
| ~             |   |
| ~             |   |
| 00            |   |
| $\circ$       |   |
|               |   |
|               |   |
| _             |   |
| ~             |   |
|               |   |
| ш             |   |
| 5             |   |
| 2             | 1 |
| $\neg$        | ı |
| ╗             | ı |
|               | ı |
| $\circ$       | ı |
|               | ı |
|               | ı |
| 7             | ı |
| _             | ı |
|               | ı |
| (D)           | ı |
| ŭi.           | ı |
| Щ             | ı |
| _             | ı |
| TG.           | ı |
| 10            | ı |
| ~             | ı |
|               | ı |
| -             | ı |
| 0             | ı |
| 0             | ı |
| 용             | ı |
| L)            | ۱ |
| $\overline{}$ | ı |
| o.            | ı |
| Y             | ı |
| -             | ı |
| 0             | 1 |
| 7             | ı |
| Z             | ١ |
|               | 1 |
| Ė             | ı |
| _             | ı |
|               |   |

| Company Name:          | INTERTEKLEAD                                      | Contact/Report To. Mike Kopar                      |  |                      |
|------------------------|---|--|--|----------------------|
| Street Address:        | 850 Poplar Street, Pittsburgh, PA 15220           | Phone #: 412. 383.046                              | 57 ha.   |                      |
|                        |   | E-Mail: mike kopar@intertek.com                    | ek.com   | 70279326             |
|                        |   | Cc E-Mail:   | and the state of t |                      |
| Customer Project #:    | 08165069.3  | Invoice To:  |  |                      |
| Project Name:          | School Lead Sampling                              | Invoice E-Mail:                                    |  | Specify Cont         |
| Site Collection Info/F | Site Collection Info/Facility ID (as applicable): | Purchase Order # (if applicable):                  |  | Identify Container P |
| ,                      | 17.54 564001                                      | Quote #: X   | 7  | Analysis F           |
| Time Zone Collected:   | Ime Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT   | County / State origin of sample(s): New            | NewYork Pansylvanon  |                      |
| Data Deliverables:     |   | Regulatory Program (DW, RCRA, etc.) as applicable: |  |                      |
| II)                    | [ ] Level III [ } Level IV                        |  | DW PWSID # or WW Permit # as applicable:   |                      |
| ) EQUIP                |   | [ ]2 Day [ ]3 day [ ]5 day { ]Other                | Field Filtered (if applicable); [ Yes  ] No  | Valer<br>On:         |

H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10)

AeOH, (11) Other Lori Beyer Proj. Mgr.

Requested

AcetNum / Cilent ID:

\*\*Container Size: (1) 11, (2) 500ml, (3) 250ml, (4) 125ml, (5) 100ml, (6) 40ml vial, (7) EnCore, (8) TerraCore, (9) Other
\*\*\* Preservative Types: (1) None, (2) HNO3, (3)

reservative Type \*\*\*

ainer Size \*\*

Proservation non-conformance identified for

Sample Comment

relog / 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 Composite End Collected

Requested:

Othe

× X × × × Number & Type of Containers Plastic Glass Res. CL2 Date 53 227 (or Composite Start) CT.68/1 Matrix \* Comp / Grab C 20 OF Customer Sample ID 145.28 H5. 24 1-15-25 -15-23 オグカ

Collected By: Printed Name:

Customer Remarks / Special Conditions / Possible Hazards

H3-37

175.30 H5.31

H 5. 29

11.34.23 Date/Time:

elinquished by/Company: (Signaturd

 Relinquished by/Company; (Signature)
 Date/Time:
 Received by/Company; (Signature)
 Date/Time:

 Relinquished by/Company; (Signature)
 Date/Time:
 Received by/Company; (Signature)
 Date/Time:

 A Submittinga 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-conzitions/Only Constitutes/Apace-terms-and-conzitions/Only Constitutes/Apace-terms-and-conzitions/Only Constitutes/Apace-terms-and-conzitions/Only Constitutes/Apace-terms-and-conzitions/Only Constitutes/Apace-terms-and-conzitions/Only Constitutes/Apace-terms-and-conzitions/Only Constitutes/Apace-terms-and-conzitions/Only Constitutes/Apace-terms-and-conzitions/Apace-terms-and-conzitio

ENV-FRM-CORQ-0019\_v01\_082123 @

Page:

[ ] FedEx [ ] UPS | Tother clivered by; [ ] In-Parson [ ] Courier

Date/Time

Obs Temp. (\*C)

Correction Factor (\*C):

Additional Instructions from Pace®:

×

X

X

وتما

13

X

\*\*Container Size; (1) 11, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) Terractore, (9) Other \*\*\* Preservative Yinger; (1) None, (2) HNO3, (3) HTSO4, (6) Sod, Thiosthiate (7) None, (2) Accetate, (7) NaHSO4, (8) Sod, Thiosuliate, (9) Ascerbic Acid, (10) MeOH, (11) Other əjdwes Corrected Temp. ("C) ENV-FRM-CORQ-0019 v01 082123 @ [ ] FedEX [ ] UPS [ ] Other elivered by: [ ] In- Person [ ] Courter Sample Comment relog / Bottle Ord. ID. AcctNum / Client ID: oţ Profile / Template. Obs. Temp. ("C) Proj. Mgr.: Lori Beyer 1150798 Н 25 ONLY- Affix Workorder/Login Label Here Page: Correction Factor (TC): Scan QR Code for instructions Identify Container Preservative Type" Additional Instructions from Pace®: Specify Container Size \*\* Analysis Requested Submitting sample wa 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/OD 200.8 Drinking Water **15AO** X Containers Plastic Glass Number & Type of Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Soild (IS), OII (OL), Wipe (WP), Tissue (TS), Binassay (B), Vapor (V) Field Filtered (if applicable): [ ] Yes [ ] No CHAIN-OF-CUSTODY Analytical Request Document Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields DW PWSID # or WW Permit # as applicable Res. CL2 Pensylvana Time sceived by/Company: (Signature) Composite End 712.385.0419 Printed Name: mike.kopar@intertek.com Collected By: Date Amalysis: Signature: Sunc Contact/Report To: Mike Kopar 18 County / State origin of sample(s): egulatory Program (DW, RCRA, etc.) as applicable: (or Composite Start)
Date Ti Rush (Pre-approval required): [ ]2 Day [ ]3 day [ ]5 day [ ]0ther Purchase Order # (if applicable): Cr. 58-11 11.20.23 Date/Time: voice E-Mail: voice To: Cc E-Mail: Phone #: E-Mail: Quote #: Matrix \* Comp / Grab C Requested: 20 850 Poplar Street, Pittsburgh, PA 15220 Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT Other (OT), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk Pace Analytical Long Island NY 575 Broad Hollow Rd, Melville, NY 11747 Customer Project #: 08/16/5069-3
Project Name: School Lead Sampling
Project Name: Project Name School Lead Sampling
Project Name: Project # Project Name School Lead Sampling Customer Remarks / Special Conditions / Possible Hazards: Pace® Location Requested (City/State) High school [ ] Level III [ ] Level IV Customer Sample ID INTERTEKLEAD H5-33 ished by/Company: (Signature) Pace ata Deliverables ompany Name: treet Address: [ ] Level II [ ] EQUIS [ ] Other

DO#\_TRIE\_ENV-FRAMELV-0159 v1\_Sample Container Count Melville Effective Date; 4/10/2023

| ject                         |  |                                      |   |                                       |    |  |   |   |   |   |    |                  |     |        |              |         |                               |                                   |                        |                                |                                 |                       |                                |                                  |  |                        |                         |  |                             |                            |         |
|------------------------------|--|--------------------------------------|---|---------------------------------------|----|--|---|---|---|---|----|------------------|-----|--------|--------------|---------|-------------------------------|-----------------------------------|------------------------|--------------------------------|---------------------------------|-----------------------|--------------------------------|----------------------------------|--|------------------------|-------------------------|--|-----------------------------|----------------------------|---------|
| Multiday Project             | harge  | 2OC<br>IOC<br>Mb<br>GN<br>SbFC       |   | 265<br>265<br>275                     |    | 200 S. C. D. D. C. |   |   |   |   |    | (2)              |     |        |              | Matrix  |                               |                                   | Non-aqueous Liquid     |                                | Drinking Water                  |                       |                                |                                  |  |                        |                         |  |                             |                            |         |
| r Spreadsheet                | Add SCLOGFD to first sample for field charge | webn<br>wekn<br>webn                 |   |                                       |    | September 1  |   |   |   |   |    |                  |     |        |              | ~       |                               |                                   |                        | OL OIL                         | T                               | 1                     |                                | - 19                             |  | e e e                  |                         |  |                             |                            |         |
| Use Point Number Spreadsheet | Add SCLOGFD to                               | Acae<br>Mrae<br>Mrae<br>Brae<br>Tasc |   |                                       |    |  |   |   |   |   |    |                  |     |        |              | IOC     | 1L unpreserved plastic        | 250mL HNO3 plastic                | 250mL Sodium Hydroxide | 500mL unpres amber glass       |                                 | BP4N                  |                                |                                  | 50000000000000000000000000000000000000 | SOC                    | 40mL Na Thio amber vial | 40ml. Ascorbic acid/ maleic Acid viels | Citrate/Na Thiosulfate 40mL | MonoClActetic/Na Thio 60mL |         |
| - 1                          |  | ИСЧВ<br>ИХЧВ<br>БРЗС<br>ВРЗТ<br>ВРЗБ | 1 |                                       |    |  |   |   | J |   |    |                  |     |        |              |         | BP1U                          |                                   | П                      | AG2U 50                        |                                 | . Can also be a BP4N  | I                              |                                  |  | 981                    | VG9T 40                 | $\overline{}$                          | D 7690                      |                            | 11004   |
| 8705                         |  | Bb38<br>Bb38<br>Bb30<br>Bb30         |   | · · · · · · · · · · · · · · · · · · · |    |  |   |   |   |   |    |                  |     |        |              | Mísc.   | 120mL Coliform Na Thio        | Terracore Kit                     | 2oz Unpreserved Jar    | 4oz Unpreserved Jar            | 1602 Unpreserved Jan            | Ziplock Bag           | Tedlar Bag                     | 1L HCL Clear Glass               | General                                | Wipe                   |                         |  |                             | 8                          |         |
| 20                           | o et   | AGN<br>Genu<br>BP4U<br>BP4U          |   |                                       |    |  |   |   |   |   |    |                  | y - |        |              |         | rved plastic SP5T             | plastic                           | plastic."              | plastic WGFU                   |                                 |                       |                                | plastic BG1H                     |  | WP                     | um Acetate              | 1-NH4OH                                | cetate                      | Amber Bottle               |         |
| Profile #:                   | (1/30 Page                                   | S69A<br>A63T<br>A29A<br>A19A         |   |                                       |    |  |   |   |   |   |    | 関議を表             |     |        |              | Plastic | 4U 125mL unpreserved          | П                                 | П                      | 7                              | N 250ml HNO3 plastic            |                       |                                | 2S 500mL H2SO4 plastic           |  |                        |                         | П                                      | 1Z 1L NSOH, Zn Acetate      |                            | 1       |
| 9                            | School                                       | yesh<br>Yesh<br>Yesh<br>Yesh         |   |                                       | TY |  |   |   |   |   | 4  |                  |     |        |              |         | 125mL unpres amber glass BP4U |                                   | 4                      | Titler unpres amber glass BP1U | 1                               |                       | 250mL Na Thio amber glass BP3S | Na Sulfite 500mL (blue Cap) BP2S | ttle                                   | amber glass            | (NH4CI) BP35            | BP3R                                   | BP1Z<br>NP1Z                | <u> </u> 68                |         |
| Client: INTERTER LEA         | WOTH ID: PINE-RICHANOL HIGH                  | DG97<br>DG97<br>DG97<br>DG97         |   |                                       |    |  |   |   |   |   | ÷. | <b>近 別 勝 間 6</b> |     | は関節を関係 |              | Ginss   | AG4U                          | П                                 | AG2U                   | AG1U                           | Т                               | AG4E                  | AG3T                           | AG2R                             | AG1T                                   | AG1H                   | AG1A (N                 | I                                      | I                           | ]                          |         |
| Client:                      | Work ID: Pine-                               | VG9C                                 |   |                                       |    |  |   |   |   |   |    |                  |     |        |              |         | 40mL unpres clear vial        | 40mL Ascorbic-HCl clear vial AG3U | 40mL HCI clear vial    | 40mL Sulfuire clear vial       | 40ml Citate-Na Thiosulfate AG3S | 40mL amber vial - TSP | Ascorbic/Maleic Acid 40mL      | Na Thio 60mL Vial                | Ammonium CI/CuSO4 40mL                 | 1L Unpres Jar (Con Ed) |                         | Soz clear soil jar                     | 4oz clear soil jar          |                            | ·       |
|                              |  | Negy<br>Negy                         |   |                                       |    |  | 9 | 3 | , | - | 0  | 12               | 7-  | 2      | tainer Codes |         | VG9U                          | VG90                              | VG9H                   | VG9S                           | 7900                            | 0039                  | DG9A                           | DG6T                             | 0.098                                  | CG10                   |                         | WG90                                   | WG40                        | 3                          | TANK OF |

DG6M MonoClactetic/Na Thio 60mL AG3U 250mL unpres amber glass AG31 Na Thiosulfate 250mL bottle BP18 Na Thiosulfate Amber bottle AG1T Na Thiosulfate I. Amber AG17 (525,3 Chemical Blend

Sender Initials

MO#: 70279326

Due Date: 12/15/23 CLIENT: INTERTEKLEAD PM: LAB

Page 1 of 1

Pace® Analytical Services, LLC

Page 19 of 20

Additional Comments

DC#\_Title: ENV-FRM-MELV-0024 v04\_SCUR Effective Date: 10/13/2023 **#:7027932**6 Due Date: 12/15/23 Project # Client Name: CLIENT: INTERTEKLEAD Courier: Fed Ex UPS USPS Clien Commercia Pace Other Tracking #: 7107 9430 Custody Seal on Cooler/Box Present: ☐Yes ☐ No Seals intact: ☐ Yes ☐ No Temperature Blank Present: ☐ Yes ☐ No Packing Material: ☐ Bubble Wrap☐ Bubble Bags☐ Ziplo☑ Non☐ Other Type of Ice: Wet Blue Nond Correction Factor: +(). ☐ Samples on ice, cooling process has begun Thermometer Used: THO! . 2-Date/Time 5035A kits placed in freezer Cooler Temperature Corrected(°C): Cooler Temperature(°C): 3 8)
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: 54 12/1/25 COMMENTS: Chain of Custody Present: erres □No 2. Chain of Custody Filled Out: DΝο PYes 3. erye's □No Chain of Custody Relinquished: ΠNο □N/A 4. Sampler Name & Signature on COC: eYes 5, Samples Arrived within Hold Time: пNо **e**Yes 6. Short Hold Time Analysis (<72hr): □Yes OMO oNo Rush Turn Around Time Requested □Yes ΠNο 8. □Yes Sufficient Volume: (Triple volume provided for MS/MSD) □No 9. **⊠**Yes Correct Containers Used: DYES □No -Pace Containers Used: 10 □No **DYes** Containers Intact: Note: if sediment is visible in the dissolved container. 11. DATA □Yes □No Filtered volume received for Dissolved tests Pres DNO. 12. Sample Labels match COC: SL WT OIL OTHER Matrix: -Includes date/time/ID/Analysis Date and Initials of person checking preservation: JH 1211123 □ H<sub>2</sub>SO<sub>4</sub> □ NaOH 13. □ HNO<sub>3</sub> All containers needing preservation nNo DN/A have been pH paper Lot # 22 7822 Sample # All containers needing preservation are found to be in compliance with method recommendation? (HNO3, H2SO4, HCl, NaOH>9 Sulfide, pres □N/A NAOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, Date/Time preservative added: Lot # of added Initial when completed: DRO/8015 (water). preservative: Per Method, VOA pH is checked after analysis gN/A 14. Samples checked for dechlorination: 

Yes KI starch test strips Lot # Positive for Res. Chlorine? Residual chlorine strips Lot # ØN/A пNо SM 4500 CN samples checked for sul a Yes Y N Positive for Sulfide? Lead Acetate Strips Lot # e/N/A 16. Headspace in VOA Vials ( >6mm): ⊓Yes οNo PN/A 17. □Yes DNo Trip Blank Present: DAHA Trip Blank Custody Seals Present DNo □Yes

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

Date/Time:

Person Contacted: Comments/ Resolution:

Client Notification/ Resolution:



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

| Sample No. | Source | Sample Location | Sample<br>type | Analytical<br>Result (Pb)<br>(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

Sou Buyer

Project Manager

**Enclosures** 







#### **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



Project: PINE RICHLAND MIDDLE SCHOOL

Pace Project No.: 70279318

Date: 12/07/2023 12:19 PM

| Sample: MS-35                  | Lab ID: 702                      | 79318001 | Collected: 11/30/2 | 23 00:00 | Received: 12 | 2/01/23 10:55  | Matrix: Drinking | Water |
|--------------------------------|----------------------------------|----------|--------------------|----------|--------------|----------------|------------------|-------|
| Parameters                     | Results                          | Units    | Report Limit       | DF       | Prepared     | Analyzed       | CAS No.          | Qual  |
| 200.8 MET ICPMS Drinking Water | Analytical Met<br>Pace Analytica |          |                    |          |              |                |                  |       |
| Lead                           | <1.0                             | ug/L     | 1.0                | 1        |              | 12/06/23 11:03 | 7439-92-1        |       |



Project: PINE RICHLAND MIDDLE SCHOOL

Pace Project No.: 70279318

Date: 12/07/2023 12:19 PM

| Sample: MS-36                  | Lab ID: 702                      | 79318002 | Collected: 11/30/2 | 3 00:00 | Received: 12 | 2/01/23 10:55  | Matrix: Drinking | Water |
|--------------------------------|----------------------------------|----------|--------------------|---------|--------------|----------------|------------------|-------|
| Parameters                     | Results                          | Units    | Report Limit       | DF      | Prepared     | Analyzed       | CAS No.          | Qual  |
| 200.8 MET ICPMS Drinking Water | Analytical Met<br>Pace Analytica |          |                    |         |              |                |                  |       |
| Lead                           | <1.0                             | ug/L     | 1.0                | 1       |              | 12/06/23 11:05 | 7439-92-1        |       |



Project: PINE RICHLAND MIDDLE SCHOOL

Pace Project No.: 70279318

| Sample: MS-37                  | Lab ID: 702                      | 79318003 | Collected: 11/30/2 | 3 00:00 | Received: 1 | 2/01/23 10:55  | Matrix: Drinking | Water |
|--------------------------------|----------------------------------|----------|--------------------|---------|-------------|----------------|------------------|-------|
| Parameters                     | Results                          | Units    | Report Limit       | DF      | Prepared    | Analyzed       | CAS No.          | Qual  |
| 200.8 MET ICPMS Drinking Water | Analytical Met<br>Pace Analytica |          |                    |         |             |                |                  |       |
| Lead                           | <1.0                             | ug/L     | 1.0                | 1       |             | 12/06/23 11:06 | 7439-92-1        |       |



Project: PINE RICHLAND MIDDLE SCHOOL

Pace Project No.: 70279318

| Sample: MS-38                  | Lab ID: 702                      | 79318004 | Collected: 11/30/2 | 3 00:00 | Received: 1 | 2/01/23 10:55  | Matrix: Drinking | Water |
|--------------------------------|----------------------------------|----------|--------------------|---------|-------------|----------------|------------------|-------|
| Parameters                     | Results                          | Units    | Report Limit       | DF      | Prepared    | Analyzed       | CAS No.          | Qual  |
| 200.8 MET ICPMS Drinking Water | Analytical Met<br>Pace Analytica |          |                    |         |             |                |                  |       |
| Lead                           | <1.0                             | ug/L     | 1.0                | 1       |             | 12/06/23 11:08 | 7439-92-1        |       |



Project: PINE RICHLAND MIDDLE SCHOOL

Pace Project No.: 70279318

| Sample: MS-39                  | Lab ID: 702                      | 79318005 | Collected: 11/30/2 | 3 00:00 | Received: 1 | 2/01/23 10:55  | Matrix: Drinking | Water |
|--------------------------------|----------------------------------|----------|--------------------|---------|-------------|----------------|------------------|-------|
| Parameters                     | Results                          | Units    | Report Limit       | DF      | Prepared    | Analyzed       | CAS No.          | Qual  |
| 200.8 MET ICPMS Drinking Water | Analytical Met<br>Pace Analytica |          |                    |         |             |                |                  |       |
| Lead                           | 1.8                              | ug/L     | 1.0                | 1       |             | 12/06/23 11:09 | 7439-92-1        |       |



Project: PINE RICHLAND MIDDLE SCHOOL

Pace Project No.: 70279318

Date: 12/07/2023 12:19 PM

| Sample: MS-40                  | Lab ID: 702                      | 79318006 | Collected: 11/30/2 | 3 00:00 | Received: 12 | 2/01/23 10:55  | Matrix: Drinking | Water |
|--------------------------------|----------------------------------|----------|--------------------|---------|--------------|----------------|------------------|-------|
| Parameters                     | Results                          | Units    | Report Limit       | DF      | Prepared     | Analyzed       | CAS No.          | Qual  |
| 200.8 MET ICPMS Drinking Water | Analytical Met<br>Pace Analytica |          |                    |         |              |                |                  |       |
| Lead                           | 3.2                              | ug/L     | 1.0                | 1       |              | 12/06/23 11:11 | 1 7439-92-1      |       |



Project: PINE RICHLAND MIDDLE SCHOOL

Pace Project No.: 70279318

| Sample: MS-41                  | Lab ID: 702    | 79318007 | Collected: 11/30/2 | 3 07:48 | Received: 12 | 2/01/23 10:55  | Matrix: Drinking | Water |
|--------------------------------|----------------|----------|--------------------|---------|--------------|----------------|------------------|-------|
| Parameters                     | Results        | Units    | Report Limit       | DF      | Prepared     | Analyzed       | CAS No.          | Qual  |
| 200.8 MET ICPMS Drinking Water | Analytical Met |          |                    |         |              |                |                  |       |
| Lead                           | <1.0           | ug/L     | 1.0                | 1       |              | 12/06/23 11:12 | 7439-92-1        |       |



Project: PINE RICHLAND MIDDLE SCHOOL

Pace Project No.: 70279318

| Sample: MS-42                  | Lab ID: 702    | 279318008 | Collected: 11/30/2 | 3 07:27 | Received: 1 | 2/01/23 10:55  | Matrix: Drinking | Water |
|--------------------------------|----------------|-----------|--------------------|---------|-------------|----------------|------------------|-------|
| Parameters                     | Results        | Units     | Report Limit       | DF      | Prepared    | Analyzed       | CAS No.          | Qual  |
| 200.8 MET ICPMS Drinking Water | Analytical Met |           |                    |         |             |                |                  |       |
| Lead                           | <1.0           | ug/L      | 1.0                | 1       |             | 12/06/23 11:14 | 7439-92-1        |       |



Project: PINE RICHLAND MIDDLE SCHOOL

Pace Project No.: 70279318

Date: 12/07/2023 12:19 PM

| Sample: MS-43                  | Lab ID: 702                      | 79318009 | Collected: 11/30/2 | 23 07:38 | Received: 12 | 2/01/23 10:55  | Matrix: Drinking | Water |
|--------------------------------|----------------------------------|----------|--------------------|----------|--------------|----------------|------------------|-------|
| Parameters                     | Results                          | Units    | Report Limit       | DF       | Prepared     | Analyzed       | CAS No.          | Qual  |
| 200.8 MET ICPMS Drinking Water | Analytical Met<br>Pace Analytica |          |                    |          |              |                |                  |       |
| Lead                           | <1.0                             | ug/L     | 1.0                | 1        |              | 12/06/23 11:15 | 7439-92-1        |       |



Project: PINE RICHLAND MIDDLE SCHOOL

Pace Project No.: 70279318

Date: 12/07/2023 12:19 PM

| Sample: MS-44                  | Lab ID: 702                      | 79318010 | Collected: 11/30/2 | 3 07:38 | Received: 12 | 2/01/23 10:55  | Matrix: Drinking | Water |
|--------------------------------|----------------------------------|----------|--------------------|---------|--------------|----------------|------------------|-------|
| Parameters                     | Results                          | Units    | Report Limit       | DF      | Prepared     | Analyzed       | CAS No.          | Qual  |
| 200.8 MET ICPMS Drinking Water | Analytical Met<br>Pace Analytica |          |                    |         |              |                |                  |       |
| Lead                           | <1.0                             | ug/L     | 1.0                | 1       |              | 12/06/23 11:23 | 7439-92-1        |       |



#### **QUALITY CONTROL DATA**

Project: PINE RICHLAND MIDDLE SCHOOL

Pace Project No.: 70279318

QC Batch: 329728 Analysis Method:

QC Batch Method: EPA 200.8 Analysis Description: 200.8 MET No Prep Drinking Water

Laboratory: Pace Analytical Services - Melville

EPA 200.8

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

ParameterUnitsBlank Reporting ResultReporting LimitAnalyzedQualifiersLeadug/L<1.0</td>1.012/06/23 10:31

LABORATORY CONTROL SAMPLE: 1688114

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

MATRIX SPIKE SAMPLE: 1688116

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

MATRIX SPIKE SAMPLE: 1688118

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

SAMPLE DUPLICATE: 1688115

 Parameter
 Units
 Result Result Result RPD
 Qualifiers

 Lead
 ug/L
 <1.0</td>
 <1.0</td>

SAMPLE DUPLICATE: 1688117

Date: 12/07/2023 12:19 PM

 Parameter
 Units
 Result Result 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.



#### **QUALITY CONTROL DATA**

EPA 200.8

Analysis Method:

Project: PINE RICHLAND MIDDLE SCHOOL

Pace Project No.: 70279318

QC Batch: 329730

QC Batch 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

Blank Reporting
Parameter Units Result Limit Analyzed Qualifiers

Lead ug/L <1.0 1.0 12/06/23 11:20

LABORATORY CONTROL SAMPLE: 1688120

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

MATRIX SPIKE SAMPLE: 1688122

SAMPLE DUPLICATE: 1688123

Date: 12/07/2023 12:19 PM

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

 MATRIX SPIKE SAMPLE:
 1688124
 70279319001
 Spike
 MS
 MS
 % Rec

 Parameter
 Units
 Result
 Conc.
 Result
 % Rec
 Limits
 Qualifiers

Lead ug/L <1.0 50 45.7 90 70-130

SAMPLE DUPLICATE: 1688121

70279318010 Dup
Parameter Units Result Result RPD Qualifiers

Lead ug/L <1.0 <1.0

70279319001 Dup
Parameter Units Result 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.



#### **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.

Date: 12/07/2023 12:19 PM



# **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<br>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

Pace Analytical Long Island NY 575 Broad Hollow Rd, Melville, NY 11747

CHAIN-OF-CUSTODY Analytical Request Document

1

|                | п   |
|----------------|-----|
|                | ш   |
|                | - 1 |
|                | - 1 |
| 10             | П   |
| ds             | - 1 |
|                |     |
| a.             | - 1 |
| ≔              | -11 |
| -              | н   |
| 7              | н   |
|                | п   |
| 79             |     |
| 71             |     |
| ~              |     |
| a)             | н   |
| _              |     |
| =              |     |
| ra             |     |
| D1             | т   |
| ete            |     |
| (II)           |     |
| ÷              |     |
| 귿              |     |
| F              |     |
| ō              |     |
| ñ              |     |
| _              |     |
| ,              |     |
| -              |     |
| ~              |     |
| DOCUME         |     |
| =              |     |
| ~              |     |
| -              |     |
| $\overline{C}$ |     |
| ×              |     |
| $\cup$         |     |
|                |     |
| _              |     |
| $\overline{}$  |     |
|                |     |
| 0              |     |
| щ              |     |
| _              |     |
| го             |     |
| 10             |     |
| .=1            |     |
| >              |     |
| Ti.            |     |
| กั             |     |
| 73             |     |
| S              |     |
| 2              |     |
| $\circ$        |     |
|                |     |

| inds independent | 1023 | ž.e |
|------------------|------|-----|

WO#: 70279318

| Company Name: INTERTEKLEAD   | Contact/Report To: Mike Kopar                               |   |                        |   |   |
|--|---|---|------------------------|---|---|
| Street Address: 850 Poplar Street, Pittsburgh, PA 15220              | Phone #:  | 412.383.0469  | 经营业的                   |   |   |
|  | E-Malt: mike.kopar(   | mike.kopar@intertek.com   | 金数是多                   | 70279318                                |   |
|  | Cc E-Mail:  |   |                        |   |   |
| Customer Project #: 0816.5069-3                                      | Invoice To:   | 2000  |                        |   |   |
| Project Name: School Lead Samping                                    | Invoice E-Mail:   |   | Speci                  | Specify Container Size **               | **Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4)   |
| Par. Richlar   |   |   |                        |   | 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8)<br>TerraCore, (9) Other                            |
| Site Collection Info/Facility ID (as applicable):                    | Purchase Order # (if  |   | Identify Cont          | Identify Container Preservative Type*** | *** Preservative Types: (1) None, (2) HNO3, (3)   |
| An. nois schlool   | applicable):  |   |                        |   | H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaH5O4. (8) Sod. Thiosulfate. (9) Ascorbic Acid. (10) |
|  | Quote #: x  |   | An                     | Analysis Requested                      | MeOH, (11) Other  |
| Time Zone Collected: { ] AK [ ] PT [ ] MT [ ] CT                     | County / State origin of sample(s):                         | Hew-York Pansy Ward   |                        |   | Proj. Wg:<br>Lori Bever   |
| Data Deliverables:   | Regulatory Program (DW, RCRA, etc.) as applicable:          |   |                        |   | Slent ID:   |
| [ ] Level II [ ] Level III [ ] Level IV                              | Rush (Pre-approval required):                               | DW PWSID # or WW Permit # as applicable:                              |                        |   | Only #  |
| [ ] Equis  | [ ]2Day [ ]3day [ ]5day [ ]Other                            |   | 0                      |   | ешлен   |
| Date Results   Other   Pield Filtered ( Fapplicable); [ ] Yes [ ] No | Date Results<br>Requested:                                  | Field Filtered (if applicable): [ ] Yes [ ] No<br>Analysis:           | <b>1437</b><br>DJeM 60 |   | Profile / Template.<br>8705.  |
| * Matrix Codes (Insert in Matrix box below): Drinking Water (DW), G  | sround Water (GW), Waste Water (WW), Product (P), Soil/Soll | ilid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), | rinkin                 |   | Preing / Bottle Ord. ID:  |

× × × 入 Z00'8 D Number & Type of α
Containers
Chastic Glass Res. CL2 Composite End Date (or Composite Start) C7:08/1 Matrix \* Comp / Grab Q 30 Customer Sample ID Mi- 36 Mj. 39 M3-37 M5. 36

Sample Comment

rinted Name: Collected By: 727 738 m5-41 m5-43 m5-44

Customer Remarks / Special Conditions / Possible Hazards:

Date/Time: 1/- 10 13 inquithed by/Company: (Signaphire) clinquished by/Company: (Signature Relinquishand-y/Company: (Signature)
Received by/Company: (Signature)
Received by/Company: (Signature)
Path Managuish By/Company: (Signature)
A 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 ©

Н

Page:

Date/Time:

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

Obs. Temp. (10)

Correction Factor (\*C):

Additional Instructions from Pace®:

× ×

×

32

M1. 40 M5. 41

X

×

Pace® Analytical Services, LLC

WO#: 70279318

PM: LAB

Due Date: 12/15/23 CLIENT: INTERTEKLERD

Use Point N

Profile #:

WORK ID: PINE-KICHLAND - MIDDLE SCHOOL POPPE

DC#\_Title: ENV-FRM-MELV-0150 v1\_Sample Container Count Melville Effective Date; 4/10/2023

Add SCLOGFD to Illist

200 00 dМ NS

SPLC webn

NEKN WGFU Mesn

1545

8148 NIGE ZLE

BP3R

BP35 1698 353C

NZde

NEGE

NEGE

9658 SEGE

Urda USAE UEGE

UPSE กเออ

ALDA

HLDA

1104

**VESR** 1694 BYSY

VC32 VC34

UFDA

Yesn Yesn Yetn S690

1990

**V690** 

**GG9P** 

A690

**T690** 

S69A H69/ 2697

NG9/

mineh

COC

34-6 VIVO

| 2,1460 | 201                      |
|--------|--------------------------|
| BP1U   | 1L unpreserved plastic   |
| BP3N*  | 250mL HNO3 plastic       |
| BP3C   | 250mL Sodium Hydroxide   |
| AG2U   | 500mL unpres amber glass |
| ł      |                          |

120mL Coliform Na Thio

125mL unpreserved plastic

20

| nt HNO3 plastic | nt. Sodium Hydroxide | nL unores amber glass |  |
|-----------------|----------------------|-----------------------|--|
| IL HN           | nL Soc               | nl uno                |  |

WGKU 8oz Unpreserved Jar WGDU 16oz Unpreserved Jar

500mL unpreserved plastic 1L unpreserved plastic

125mL HNO3 plastic 250mL HNO3 plastic 500mL HNO3 plastic

Ammonium CI 250mL bottle BP4N

250mL H2SO4 amber glass

125mL EDA amber glass

AG4E AG2R

500mL unpres amber glass

fliter unpres amber glass

AG1U

AG34 AG3S AG3T

40mL Citrate-Na Thiosulfate

40ml. Na Thiosulfate vial

40mL Sulfuirc clear vial

40mL HCI clear viaf

VG9H DG9T DG9Y

VG9S

125mL unpres amber glass

40mL unpres clear vial AG4U 40mL Ascorbic-HCl clear vial AG3U

Container Codes

6.5

\*\*

Ziplock Bag Tedlar Bag

1L HCL Clear Glass

BG1H TEDL

250mL H2SO4 plastic 500mL H2SO4 plastic

250mL Na Thio amber glass BP3S Na Sulfite 500mL (blue Cap) BP2S

BP2N

NaOH 250mL bottle

BP3C

Na Thiosulfate 1L bottle 1L HCI amber glass

AG1T AG1H AG1A

Ammonium CI/CuSO4 40mL

DG9S

1L Unpres Jar (Con Ed)

Boz clear soil jar WG40 | 4oz clear soil jar

WG90

8

Ascorbic/Maleic Acid 40mL

Na Thio 60mL Vial

40ml, amber vial + TSP

DG9P DG6T DG9A

250mL Trizma

|     | Matrix             |
|-----|--------------------|
| ¥   | Water              |
| SL  | Solid              |
| NAL | Non-aqueous Liquid |
| 7   | OIL                |
| WP  | Wipe               |
| ΔV  | Drinking Water     |

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

Na Thiosulfate Amber Bollle

250mL Ammonium Acetate

250mL NH4SO4-NH4OH

1L NaOH, Zn Acetale

1L HNO3 plastic

BP3R BP1Z BP1N BP1B

Additional Comments

Page 18 of 19 25251 OI xetheno

| Effective Date: 10/13/2023   | WO#:70279318   |
|--|--|
|  | PM 1.00  |
|  | O TENT THE THE PARTY OF THE PAR |
| Courier: Fed EX UPS USPS Clien Commercial  | Project # CLIENT: INTERTEKLEAD   |
| Couries I Fod Ex TUPS TUSPS Clien Commercial   | Pac() Other  |
| 710 1 9(6) 2 2 (7)   |  |
|  |  |
| Custody Seal on Cooler/Box Present: ☐Yes ☐No Seals in Packing Material: ☐ Bubble Wrap☐ Bubble Bags ☐ Ziplo☐  | ntact: ☑ Yes ☐ No Temperature Blank Present: ☐ Yes☐ No ☑ Nonᠿ Other Type of Ice: Wet Blue ✔one)  |
| 327 (6)  | /8 11 =  |
| Cooler Temperature (°C): 14.2 Cooler Temperature Co  | rrected(°C): 14. @ Date/Time 5035A kits placed in freezer  |
| Temp should be above freezing to 6.0°C   |  |
| USDA Regulated Soil ( N/A, water sample)   | tates: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX,   |
| or VA (check   | k map)?□ Ye□ No  |
|  | te including Hawaii and Puerto Rico)? ☐ Yes☐ No  |
| Did samples originate from a foreign source  | HEAVENIV FRM MELV 0075) and include with SCHRICOC paperwork.   |
| If Yes to either question, fill out a Regulated Soil Check   | Date and Initials of person examining contents:  |
|  | SH (1/5/2)   |
|  | COMMENTS:  |
| Chain of Custody Present:  | 1.   |
| Chain of Custody Filled Out:   | 3.   |
| Chain of Custody Relinquished: aYes aNo Sampler Name & Signature on COC: aYes aNo aN/A   | 4.   |
| Samples Arrived within Hold Time: Tyes DNo   | 5.   |
| Short Hold Time Analysis (<72hr): □Yes □No   | 6.   |
| Rush Turn Around Time Requested □Yes aNo   | 7.   |
| Sufficient Volume: (Triple volume  | 8.   |
| provided for MS/MSD)  Correct Containers Used:   OYes □No  | 9.   |
| Correct Containers Used:  -Pace Containers Used: |  |
| Containers Intact:   | 10.  |
| Filtered volume received for DYes DNo DN/A   | 11. Note: if sediment is visible in the dissolved container.   |
| Dissolved tests  |  |
| Sample Labels match COC: OYes ANO OTHER  | 12.  |
| -Includes date/time/ID/Analysis Matrix: SL WI JOIL OTHER   | Date and Initials of person checking preservation: 5# 12/5/23  |
| W-27   | / /  |
| All containers needing preservation PYES DNo DN/A  | 13. □ HNO <sub>3</sub> □ H <sub>2</sub> SO <sub>4</sub> □ NaOH □ HCl   |
| have been  | Sample   |
| pH paper Lot # 2248/12V All containers needing preservation are found to be  | #  |
| in compliance with method recommendation?  |  |
| (HNO <sub>3</sub> , H₂SO <sub>4</sub> , HCl, NaOH>9 Sulfide, eYes □No □N/A   |  |
| NAOH>12 Cyanide)   |  |
| Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease,  | Initial when completed: Lot # of added Date/Time preservative added:   |
| DRO/8015 (water). Per Method, VOA pH is checked after analysis   | preservative;  |
| Samples checked for dechlorination:   Samples checked for dechlorination:   No DMA   | 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. Positive for Sulfide? Y N  |
| Lead Acetate Strips Lot #  | T SOLUTION TO THE STATE OF THE  |
| Headspace III VOA VIAIS (* CITITI).  |  |
| Trip Blank Custody Seals Present Tyes No DNA   | 800 10/0/77  |
|  | F PERSON COMPLETING SECOND REVIEW:   |
| Client Notification/ Resolution:   | Field Data Required? Y / N   |
| Person Contacted:  | Date/Time:   |
| Comments/ Resolution:  |  |
|  |  |
|  |  |

DC#\_Title: ENV-FRM-MELV-0024 v04\_SCUR

<sup>\*</sup> PM (Project Manager) review is documented electronically in LIMS.

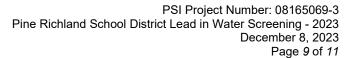




TABLE 5.0
DRINKING WATER SAMPLES
Pine Richland - Richland Elementary
Sample Date: November 30, 2023

| Sample No. | Source | Sample Location          | Sample<br>type | Analytical<br>Result (Pb)<br>(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<br>(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 A. Beyer lori.beyer@pacelabs.com 516-370-6014

Sou Buyer

Project Manager

**Enclosures** 





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



Project: PINE-RICHLAND ELEMENTARY 11/30

Pace Project No.: 70279321

| Sample: H-45                   | Lab ID: 702    | 79321001 | Collected: 11/30/2 | 23 07:47 | Received: 12 | 2/01/23 10:55  | Matrix: Drinking | Water |
|--------------------------------|----------------|----------|--------------------|----------|--------------|----------------|------------------|-------|
| Parameters                     | Results        | Units    | Report Limit       | DF       | Prepared     | Analyzed       | CAS No.          | Qual  |
| 200.8 MET ICPMS Drinking Water | Analytical Met |          |                    |          |              |                |                  |       |
| Lead                           | <1.0           | ug/L     | 1.0                | 1        |              | 12/06/23 11:52 | 7439-92-1        |       |



Project: PINE-RICHLAND ELEMENTARY 11/30

Pace Project No.: 70279321

| Sample: H-46                   | Lab ID: 702    | 79321002 | Collected: 11/30/2 | 3 07:38 | Received: 1 | 2/01/23 10:55  | Matrix: Drinking | Water |
|--------------------------------|----------------|----------|--------------------|---------|-------------|----------------|------------------|-------|
| Parameters                     | Results        | Units    | Report Limit       | DF      | Prepared    | Analyzed       | CAS No.          | Qual  |
| 200.8 MET ICPMS Drinking Water | Analytical Met |          |                    |         |             |                |                  |       |
| Lead                           | 3.6            | ug/L     | 1.0                | 1       |             | 12/06/23 11:58 | 3 7439-92-1      |       |



Project: PINE-RICHLAND ELEMENTARY 11/30

Pace Project No.: 70279321

| Sample: H-47                   | Lab ID: 702    | 79321003 | Collected: 11/30/2 | 3 07:46 | Received: 1 | 2/01/23 10:55  | Matrix: Drinking | Water |
|--------------------------------|----------------|----------|--------------------|---------|-------------|----------------|------------------|-------|
| Parameters                     | Results        | Units    | Report Limit       | DF      | Prepared    | Analyzed       | CAS No.          | Qual  |
| 200.8 MET ICPMS Drinking Water | Analytical Met |          |                    |         |             |                |                  |       |
| Lead                           | 10.4           | ug/L     | 1.0                | 1       |             | 12/06/23 12:00 | 7439-92-1        |       |



Project: PINE-RICHLAND ELEMENTARY 11/30

Pace Project No.: 70279321

Date: 12/08/2023 08:35 AM

| Sample: H-48                   | Lab ID: 702  | 79321004 | Collected: 11/30/2 | 3 07:59 | Received: 12 | 2/01/23 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        |       |



Project: PINE-RICHLAND ELEMENTARY 11/30

Pace Project No.: 70279321

Date: 12/08/2023 08:35 AM

| Sample: H-49                   | Lab ID: 702  | 79321005 | Collected: 11/30/2 | 3 07:56 | Received: 12 | 2/01/23 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        |       |



Project: PINE-RICHLAND ELEMENTARY 11/30

Pace Project No.: 70279321

Date: 12/08/2023 08:35 AM

| Sample: H-50                   | Lab ID: 702  | 79321006 | Collected: 11/30/2 | 23 07:45 | Received: 12 | 2/01/23 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        |       |



Project: PINE-RICHLAND ELEMENTARY 11/30

Pace Project No.: 70279321

| Sample: H-51                   | Lab ID: 702  | 79321007 | Collected: 11/30/2 | 3 07:52 | Received: 12 | 2/01/23 10:55 I | 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        |       |



Project: PINE-RICHLAND ELEMENTARY 11/30

Pace Project No.: 70279321

Date: 12/08/2023 08:35 AM

| Sample: H-52                   | Lab ID: 702  | 79321008 | Collected: 11/30/2 | 23 07:51 | Received: 12 | 2/01/23 10:55 I | 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        |       |



#### **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

Blank Reporting

 Parameter
 Units
 Result
 Limit
 Analyzed
 Qualifiers

 Lead
 ug/L
 <1.0</td>
 1.0
 12/06/23 11:20

LABORATORY CONTROL SAMPLE: 1688120

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

MATRIX SPIKE SAMPLE: 1688122

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

MATRIX SPIKE SAMPLE: 1688124

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

SAMPLE DUPLICATE: 1688121

 Parameter
 Units
 70279318010 Result
 Dup Result
 RPD
 Qualifiers

 Lead
 ug/L
 <1.0</td>
 <1.0</td>

SAMPLE DUPLICATE: 1688123

Date: 12/08/2023 08:35 AM

 Parameter
 Units
 Result Result Result RPD
 Qualifiers

 Lead
 ug/L
 <1.0</td>
 <1.0</td>

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.



#### **QUALITY CONTROL DATA**

Project: PINE-RICHLAND ELEMENTARY 11/30

Pace Project No.: 70279321

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: 70279321007, 70279321008

METHOD BLANK: 1688129 Matrix: Water

Associated Lab Samples: 70279321007, 70279321008

Blank Reporting
Parameter Units Result Limit Analyzed Qualifiers

Lead ug/L <1.0 1.0 12/06/23 12:06

LABORATORY CONTROL SAMPLE: 1688130

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

MATRIX SPIKE SAMPLE: 1688132

SAMPLE DUPLICATE: 1688133

Date: 12/08/2023 08:35 AM

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

Lead ug/L <1.0 50 44.9 89 70-130

SAMPLE DUPLICATE: 1688131

70279321007 Dup
Parameter Units Result Result RPD Qualifiers

Lead ug/L <1.0 <1.0

70279321008 Dup Parameter Units Result RepD 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.



#### **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.

Date: 12/08/2023 08:35 AM



# **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<br>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   |                   |                     |

\*\*Container Size: (1) 11, (2) 500ml, (3) 250ml, (4) 125ml, (5) 100ml, (6) 40ml vial, (7) EnCore, (8) Terracore, (9) Other \*\* Preservative Types: (1) None, (2) HNO3, (3) HY20A, (4) HYG, (5) NaOH, (6) ZA Acetate, (7) NaHSOA, (8) Sod. Thiosulfate, (9) Acorbite Acid, (10) reservation non-conformance identified for Corrected Temp. [7] Sample Comment reing / Sottle Ord ID ctNum / Client ID. MO#: 70279321 Obs. Temp. ("CI A=OH, (11) Other LoriBeyer 1150798 Proj. Mgr. LAB USE ONLY- Affix Workorder/Login Label Here Correction Pactor (\*C): Identify Container Preservative Type Additional instructions from Pace®: Specify Container Size \*\* Analysis Requested 200.8 Drinking Water × × × > × Number & Type of Containers Plastic Glass Matrix Codes (Insert in Matrix tox below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Soild (SS), Oil (OL), Wipe (WP), Tissue (TS), Bloassay (B), Vapor (V), other (OT), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk Field Filtered (if applicable): [ ] Yes [ ] No CHAIN-OF-CUSTODY Analytical Request Document DW PWSID # or WW Permit # as applicable Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields Res. CL2 Composite End 412.385.0469 mike.kopar@intertek.com Collected By: rinted Name: Date Sunc 1025B 7:4784 1-22 A 438 7.4 lan 7.57 pearl S.HSP 7:501900 Contact/Report To: Mike Kopar County / State origin of sample(s) J No 1851 Regulatory Program (DW, RCRA, etc.) as applicable. Rush (Pre-approval required): [ ]2 Day [ ]3 day [ ]5 day [ ]0ther Purchase Order # (If applicable): 1/30.13 roice E-Mail invoice To: Cc E-Mail: Quote #: Phone #1 E-Mail: Matrix \* Comp / Grab C Date Results S Customer Project #: 08/165069.3

Project Name: School Lead Sampling

On Fle by land

Site Collection Info/Facility ID (as applicable):

Richland Elonarian ime Zone Collected: [ ] AK [ ] РТ [ ] МТ [ ] СТ 850 Poplar Street, Pittsburgh, PA 15220 Pace Analytical Long Island NY 575 Broad Hollow Rd, Melville, NY 11747 ustomer Remarks / Special Conditions / Possible Hazards: Pace® Location Requested (City/State) [ ] Level IV Customer Sample ID INTERTEKLEAD [ ] Level III 4-53 17 47 子子 70-4 4.48 612 A E S 19.4 /pace" Jata Deliverables Company Name: Street Address: [ ] Level II [ ] EQUIS [ ] Other

ubmitting a Rample 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/ of 1.

scalved by/Company: (Signature) celved by/Company; (Signature)

1/2023 Date/Time:

Date/Time: Date/Time: ENV-FRM-CORQ-0019\_v01\_082123 @

ed by: [ ] In Person [ ] Courier

Ca

D Signature biogrammany: (Signature)

clinquished by/Company: (Signature

ead

Pace® Analytical Services, LLC

DCA\_Title: ENV-FRM-MELY-0150 v1\_Sample Container Count Melville Effective Date: 4/10/2023

CLIENT: INTERTEKLEAD Add SCLOGFD to first sample for field charge Use Point Nun Profile #: Work ID: Pine- Richard

200 20

d٨

NO

SPLC

webn

WEKN NGFU nzev

> LSdS BISE NIGE Zide ясче 3638 7598 эьзс PPZAE NEGE

NEdi

Syde 2598

Urde

USPE nede

node

ALDA

HLO

'GZR TCO VCVE

SEDV

1C34

กเอง

NZOY vesn V64U \$690

1990

¥690

4690

V600

T600

S69/ H69A

265/

กรอก

mility.

COS Pura

Due Date: 12/15/23

WO#: 70279321

PM: LAB

Non-aqueous Liquid Drinking Water Matrix Wipe

| ľ                             | 1L unpreserved plastic |
|-------------------------------|------------------------|
| BP3N* 250mL HNO3 plastic      | astic                  |
| BP3C 250mL Sodium Hydroxide   | Hydroxide              |
| AG2U 500mL unpres amber glass | mber glass             |

120mL Coliform Na Thio

125mL unpreserved plastic 500mL unpreserved plastic

BP4U

125mL unpres amber glass 250mL unpres amber glass

AG4U

40mL Ascorbic-HCI clear vial AG3U

4CmL unpres clear vial

VG9U VG9H

Container Codes

1,7

Plastic

WG2U 2oz Unpreserved Jar WGFU 4oz Unpreserved Jar WGKU | Boz Unpreserved Jar

1L unpreserved plastic

125mL HNO3 plastic 250mL HNO3 plastic 500ml, HNO3 plastic

Ammonium CI 250mL bottle BP4N

500mL unpres amber glass

tilter unpres amber glass

AG1U

AG34 AG2U

4CmL Citrate-Na Thiosulfate Ascorbic/Maleic Acid 40mL

40mL amber vial - TSP

4CmL Na Thiosulfate vial

DG9T

40mL Sulfuire clear vial

40ml, HCI clear vial

250mL H2SO4 amber glass

125mL EDA amber glass

AG4E AG3T

WGDU 16oz Unpreserved Jar

Ziplock Bag Tedlar Bag

ZPLC TEOL BG1H

> 250mL H2SO4 plastic 500mL H2SO4 plastic

250mL Na Thio amber glass BP3S

NaOH 250ml, bottle

BP3C

BP2S

Na Sulfite 500mL (blue Cap)

Na Thiosulfate 1L bottle 1L HCI amber glass

Ammonium CI/CuSO4 40mL AG1T

Na Thio 60mL Vial

DGBA

AG1H

1L Unpres Jar (Con Ed)

WG90 Bcz clear soil jar WG40 4cz clear soil jar

,

250mL Trizma

1L HCL Clear Glass

General

| CONTRA | STATE OF STREET STREET, STATE OF STATE |
|--------|---|
| 000    | SOC   |
| VG9T   | 40mL Na Thio amber vial   |
| DG9A   | 40mL Ascorbic acid/ maleic Acid vials   |
| DG9Y   | Citrate/Na Thiosulfate 40mL   |
| DGGT   | Na Thiosulfate 60mL vial  |
| DG6M   | MonoClActetic/Na Thio 60mL  |
| AG3U   | 250mL unpres amber glass  |
| AG3T   | Na Thiosulfate 250mL bottle   |
| 8918   | Na Thiosulfate Amber bollle   |
| AG1T   | Na Thiosultate 1L Amber   |
| AG1A   | 525.3 Chemical Blend  |

1L HNO3 plastic
Na Thiosulfate Amber Bottle

1L NaOH, Zn Acetate

250mL Ammonium Acetale 250mL PH4SO4-NH4OH

BP35 BP3T

Sender Initials

Additional Comments

Page 16 of 17

DC#\_Title: ENV-FRM-MELV-0024 v04\_SCUR Effective Date: 10/13/2023 Project Client Name: Due Date: 12/15/23 Pace Other CLIENT: INTERTEKLEAD Tracking #: Custody Seal on Cooler/Box Present: ☐Yes ☐ No Seals intact; ☐ Yes ☐ No Temperature Blank Present: ☐ Yes ☐ No Packing Material: ☐ Bubble Wrap☐ Bubble Bags☐ Ziplo☑ Non☐ Other Type of Ice: Wet Blue None Samples on ice, cooling process has begun Correction Factor: +(). Thermometer Used: THOU Cooler Temperature Corrected(°C): | 4 . a-Date/Time 5035A kits placed in freezer Cooler Temperature(°C): 3.8 USDA Regulated Soil (N/A, water sample) Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)?□ Ye□ No Did samples orignate from a foreign source including Hawaii and Puerto Rico)? ☐ Yes☐ No If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MELV-0076) and include with SCUR/COC paperwork. Date and Initials of person examining contents: SH COMMENTS: □No Pres Chain of Custody Present: 2 PHO □Yes Chain of Custody Filled Out: 3. Chain of Custody Relinquished: ores □No Sampler Name & Signature on COC □N/A ur Yes □No 5. Samples Arrived within Hold Time: cres □No DINO 6. Short Hold Time Analysis (<72hr): ⊔Yes No Rush Turn Around Time Requested 

Yes 8. αNo DYes Sufficient Volume: (Triple volume provided for MS/MSD) 9. □¥es □No Correct Containers Used: **D**Yes □No -Pace Containers Used: 10. □No n/es Containers Intact: Note: if sediment is visible in the dissolved container ONTA ΠNο 11. □Yes Filtered volume received for Dissolved tests 12. ores Sample Labels match COC: ONO WIT DIL OTHER Matrix: SL -Includes date/time/ID/Analysis Date and Initials of person checking preservation: SH 12/1/23 □ HNO<sub>3</sub> □ H<sub>2</sub>SO<sub>4</sub> □ NaOH 13. All containers needing preservation □N/A □No have been - 110201

| pH paper Lot # 227822  |           |          |          | Sample                  |                |                               |
|--|-----------|----------|----------|-------------------------|----------------|-------------------------------|
| All containers needing preservation a                                    | re found  | to be    |          | #                       |                |                               |
| in compliance with method recommer                                       | ndation?  |          |          |                         |                |                               |
| (HNO <sub>3</sub> , H <sub>z</sub> SO <sub>4</sub> , HCl, NaOH>9 Sulfide | , oyes    | □No      | □N/A     |                         |                |                               |
| NAOH>12 Cyanide)   | -         |          |          |                         |                |                               |
| Exceptions: VOA, Coliform, TOC/DOC                                       | C, Oil ar | d Grease | €,       | Initial when completed: | Lot # of added | Date/Time preservative added: |
| DRO/8015 (water).  |           |          |          | IIIIIII WIGHT COMPANY   | preservative:  |                               |
| Per Method, VOA pH is checked after                                      | r analys  | is       |          |                         |                |                               |
| Samples checked for dechlorination:                                      | ⊔Yes      | □No      | DMA      | 14.                     |                |                               |
| KI starch test strips Lot #  |           |          |          | Positive for Res. Ch    | olorine? Y N   |                               |
| Residual chlorine strips Lot #   |           |          |          |                         | notitie: 1 14  |                               |
| SM 4500 CN samples checked for su  | ıl □Yes   | □No      | ONA      | 15.                     | 7 Y N          |                               |
| Lead Acetate Strips Lot #  |           |          | •        | Positive for Sulfide?   | 2 1 IN         |                               |
| Headspace in VOA Vials ( >6mm);  | ⊔Yes      | □No      | DMIA     | 16.                     |                |                               |
| Trip Blank Present:  | □Yes      | □No      | ONTA     | 17.                     |                |                               |
| Trip Blank Custody Seals Present   | □Yes      | □No      | DAMA     |                         | TIMO DECOMO D  | EVIEW +                       |
|  | DATE      | AND IN   | TIALS OF | PERSON COMPLE           | HNG SECOND R   | EVIEW                         |

Client Notification/ Resolution:

Person Contacted:

Comments/ Resolution:

Not mostich with Coc sample start with Copy!!

<sup>\*</sup> 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<br>type | Analytical<br>Result (Pb)<br>(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 A. Beyer lori.beyer@pacelabs.com 516-370-6014

Sou Buyer

Project Manager

Enclosures







#### **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



Project: PINE-RICHLAND STADIUM 11/30

Pace Project No.: 70279324

| Sample: SA 54                  | Lab ID: 702  | 279324001 | Collected: 11/30/2 | 23 06:40 | Received: 12 | 2/01/23 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 | 1 7439-92-1      |       |



Project: PINE-RICHLAND STADIUM 11/30

Pace Project No.: 70279324

| Sample: SA 55                  | Lab ID: 702    | 79324002 | Collected: 11/30/2 | 3 06:40 | Received: 12 | 2/01/23 10:55 I | Matrix: Drinking | Water |
|--------------------------------|----------------|----------|--------------------|---------|--------------|-----------------|------------------|-------|
| Parameters                     | Results        | Units    | Report Limit       | DF      | Prepared     | Analyzed        | CAS No.          | Qual  |
| 200.8 MET ICPMS Drinking Water | Analytical Met |          |                    |         |              |                 |                  |       |
| Lead                           | <1.0           | ug/L     | 1.0                | 1       |              | 12/06/23 12:59  | 7439-92-1        |       |



Project: PINE-RICHLAND STADIUM 11/30

Pace Project No.: 70279324

Date: 12/07/2023 12:20 PM

| Sample: SA 56                  | Lab ID: 702  | 79324003 | Collected: 11/30/2 | 23 06:40 | Received: 12 | 2/01/23 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 | 1 7439-92-1      |       |



Project: PINE-RICHLAND STADIUM 11/30

Pace Project No.: 70279324

Date: 12/07/2023 12:20 PM

| Sample: SA 57                  | Lab ID: 702                      | 79324004 | Collected: 11/30/2 | 3 06:40 | Received: 12 | 2/01/23 10:55  | Matrix: Drinking | Water |
|--------------------------------|----------------------------------|----------|--------------------|---------|--------------|----------------|------------------|-------|
| Parameters                     | Results                          | Units    | Report Limit       | DF      | Prepared     | Analyzed       | CAS No.          | Qual  |
| 200.8 MET ICPMS Drinking Water | Analytical Met<br>Pace Analytica |          |                    |         |              |                |                  |       |
| Lead                           | <1.0                             | ug/L     | 1.0                | 1       |              | 12/06/23 13:02 | 7439-92-1        |       |



Project: PINE-RICHLAND STADIUM 11/30

Pace Project No.: 70279324

| Sample: SA 58                  | Lab ID: 702  | 79324005 | Collected: 11/30/2 | 3 06:40 | Received: 1 | 2/01/23 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 | 4 7439-92-1      |       |



Project: PINE-RICHLAND STADIUM 11/30

Pace Project No.: 70279324

Date: 12/07/2023 12:20 PM

| Sample: SA 59                  | Lab ID: 702  | 279324006 | Collected: 11/30/2 | 23 06:40 | Received: 12 | 2/01/23 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 | 3 7439-92-1      |       |



Project: PINE-RICHLAND STADIUM 11/30

Pace Project No.: 70279324

Date: 12/07/2023 12:20 PM

| Sample: SA 60                  | Lab ID: 702    | 79324007 | Collected: 11/30/2 | 3 07:00 | Received: 12 | 2/01/23 10:55  | Matrix: Drinking | Water |
|--------------------------------|----------------|----------|--------------------|---------|--------------|----------------|------------------|-------|
| Parameters                     | Results        | Units    | Report Limit       | DF      | Prepared     | Analyzed       | CAS No.          | Qual  |
| 200.8 MET ICPMS Drinking Water | Analytical Met |          |                    |         |              |                |                  |       |
| Lead                           | <1.0           | ug/L     | 1.0                | 1       |              | 12/06/23 12:38 | 7439-92-1        |       |



Lead

#### **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

Blank Reporting

 Parameter
 Units
 Result
 Limit
 Analyzed
 Qualifiers

 Lead
 ug/L
 <1.0</td>
 1.0
 12/06/23 12:06

LABORATORY CONTROL SAMPLE: 1688130

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

-

MATRIX SPIKE SAMPLE: 1688132

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

ug/L \1.0 30 47.9 93 70-130

Lead ug/L <1.0 50 44.9 89 70-130

SAMPLE DUPLICATE: 1688131

70279321007 Dup
Parameter Units Result Result RPD Qualifiers

Lead ug/L <1.0 <1.0

SAMPLE DUPLICATE: 1688133

Date: 12/07/2023 12:20 PM

 Parameter
 Units
 Result Result Result
 RPD Qualifiers

 Lead
 ug/L
 <1.0</td>
 <1.0</td>

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.



#### **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.

Date: 12/07/2023 12:20 PM



## **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<br>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   |                   |                     |

\*\*Container Size; (1) 11, (2) 500mt, (4)
125mt, (5) 100mt, (6) 40mt, vai, (7) Encore, (8)
12reactore, (9) Other
\*\*\*Preservative Types; (1) None, (2) HN03, (3)
H3500, (4) Hd., (5) NaOH, (6) Zh Acetate, (7)
NH500, (4) Hd., (5) NaOH, (6) Zh Acetate, (7)
MH504, (8) 50d Thiosulfate, (9) Acerdit Acid, (10)
MeOH, (11) Other •aldmes Preservation non-conformance identilied for Sample Comment eleg/Bottle Ord ID: ctNum / Clent ID: Lori Beyer 1150798 LAB USE ONLY- Affix Workorder/Login Label Here MO#: 70279324 Identify Container Preservative Type\*\*\* Specify Container Size \*\* Analysis Requested 200.8 Drinking Water Number & Type of c Containers Plastic Glass Vatrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), OII (OU), Wipe (WP), Tissue (TS), Binassay (B), Vapor (V), her (OT), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk Field Filtered (if applicable): [ ] Yes [ ] No CHAIN-OF-CUSTODY Analytical Request Document DW PWSID # or WW Permit # as applicable Res. CL2 chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields Kennsylvania Composite End 412.383.0469 New-York mike.kopar@intertek.com Date Same 06:00 Mike Kopar County / State origin of sample(s): Regulatory Program (DW, RCRA, etc.) as applicable (or Composite Start)
Date Rush (Pre-approval required): [ ]2 Day [ ]3 day [ ]5 day [ ]0ther, C7.0E/1 urchase Order# (II Contact/Report To: voice E-Mail applicable): invoice To: Cc E-Mail: Phone #: Quate #: E-Mail: Matrix \* Comp /  $\mathcal{C}$ Requested: S STADIUM / ATHURDCS ne Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT 850 Poplar Street, Pittsburgh, PA 15220 Pace Analytical Long Island NY 575 Broad Hollow Rd, Melville, NY 11747 stomer Project #: 08165069.3
oject Name: School Lead Samping
Anc. Rich IM Pace® Location Requested (City/State): ( ) Level IV Customer Sample ID INTERTEKLEAD [ ] Level III 53 2 20 24 Bace SA S A ta Deliverables: mpany Name: eet Address: [ ] Level II ) EQUIS ] Other\_

Chs. Temp. ("C) Additional Instructions from Pace":  $\times$ X $\times$ X Collected By: rinted Name: (gnature: 07:00 ustomer Remarks / Special Conditions / Possible Hazards: 0 20 5 SA SA SA ead

Jamitting agmple via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resour

Received by/Company: (Signature) eceived by/Company: (Signature)

Date/Time: 11.3923

Date/Time:

npany: (Signature) npatry: (Signature)

alaquished by/Gami

Date/Time: Date/Time:

ENV-FRM-CORQ-0019\_v01\_082123 ©

[ ] FedEx . [ ] ups | ] Other

| ille   |              |  |
|--|--------------|--|
| unt Melv   |              |  |
| ainer Co   |              |  |
| le Conta   |              |  |
| 1_Samp   |              |  |
| <ul> <li>ENV-FRM-MELV-0150 v1_Sample Container Count Melville</li> </ul> |              |  |
| M-MELV   | 2023         |  |
| NV-FR  | e 4/10/2     |  |
| DC#_Title E  | fective Date |  |
| #<br>00  | Effec        |  |

| Multiday Project  | os  |   |   |     |  |               |   |   |     |   |     |   |    |                 |         |                               |                           |                           |                                |                               |                            |                                |                        |              |                               |  |                                    |                                   |                               | •                                | Sender Initials              |   |
|---|---|---|---|-----|--|---------------|---|---|-----|---|-----|---|----|-----------------|---------|-------------------------------|---------------------------|---------------------------|--------------------------------|-------------------------------|----------------------------|--------------------------------|------------------------|--------------|-------------------------------|--|------------------------------------|-----------------------------------|-------------------------------|----------------------------------|------------------------------|---|
|   | IOC<br>GN<br>Sbrc   |   |   | 123 |  |               |   |   |     |   |     |   |    |                 | Matrix  | Water                         | Solid                     | Noll-aduends Lidura       | Wine                           | Drinking Water                |                            |                                |                        |              |                               |  |                                    |                                   |                               |                                  |                              |   |
| Use Point Number Spreadsheet<br>Add SCLOGFD to first sample for field charge  | Mekn<br>Meln<br>Mesn<br>B   |   | 8 | 100 | 20 CONTRACTOR (20 CON | Con many many |   |   |     |   |     |   |    |                 |         |                               | JS 1                      | T                         | Τ                              |                               |                            |                                | 100                    |              |                               |  |                                    | 1.                                |                               |                                  |                              | T |
| Use Point Numb  | 3P3C 3P3T 3P3C 3P3C |   |   |     |  |               |   |   |     |   |     |   |    |                 | 100     | BP1U 1L unpreserved plastic   |                           |                           | AG2U 500mL unpres amber glass  |                               | * Can also be a BP4N       |                                |                        |              | VG9T 40mL Na Thio amber vial  | DG9A 40mL Ascorbic acid/ maleic Acid vials | DG9Y   Citrate/Na Thiosulfate 40mL | DG6M   MonoClActetic/Na Thio 60ml | AG3U 250mL unpres amber glass | AG3T Na Thiosulfate 250mL bottle | AG1T Na Thiosultate 11 Amber |   |
| 8705  | NZdEI NEdEI                                   | ~ |   |     |  |               |   |   |     |   |     |   |    |                 | Misc.   | SP5T 120mL Coliform Na Thio   |                           | -1                        |                                | WGDU 16oz Unpreserved Jar     |                            |                                | I                      | GN General   |                               |  |                                    |                                   |                               |                                  |                              |   |
| Profile #:  | AGAR<br>AG2R<br>AG1T<br>AG1H<br>AG1H<br>AG1H<br>AG1H  |   |   |     |  |               |   |   |     |   |     |   |    |                 | Piastic | 125mL unpreserved plastic     | 250mL unpreserved plastic | 500mL unpreserved plastic | 11 unpreserved plastic         | 250mL HNO3 plastic            | 500mL HNO3 plastic         | 250mL H2SO4 plastic            | 500mL H2SO4 plastic    | 250ml Triams | 250mL Ammonium Acelate        | Г  |                                    | N 1L HNO3 plastic                 |                               |                                  | ,                            |   |
| K/EAD Atadium/At  | AG30<br>AG30<br>AG30<br>AG30<br>AG30<br>AG30<br>AG30<br>AG30  |   |   | 18  |  |               |   |   |     |   |     |   |    |                 |         | 125mL unpres amber glass BP4U |                           | S                         | 1liter unpres amber glass BP1U | 250mL H2SO4 amber glass BP3N  |                            | 250mL Na Thio amber glass BP3S | (dec                   | ittle        | (Chica animer glass) pro-     |  | BP1Z                               | NLOR REPORT                       |                               |                                  |                              |   |
| Client: INTERTER LAD Profile #:<br>Work 10: Pine-Richard Stadium/Athlehus Ill | 0690<br>0690<br>0690<br>0691<br>0691<br>0691  |   |   |     |  |               |   |   |     |   |     |   |    |                 | Glass   | 40mL unpres clear vial AG4U   | clear vial                |                           | T                              | 40mL Na Thiosulfate vial AG34 | 40mL amber vial - TSP AG4E | mr                             | Na Thio 60mL Vial AG2R | Oml          | TL Onpres Jar (con Eq.) AG IA | Boz clear soil jar                         | 4oz clear soil jar                 |                                   |                               |                                  |                              |   |
| We  | VG9U  |   |   | 3   |  | r)            | 9 | - | 100 | c | , S | - | 12 | Container Codes |         | VG9U 40                       |                           |                           |                                | DG91 40                       |                            |                                |                        |              | 0150                          | 065W                                       | П                                  |                                   | 133                           |                                  |                              |   |

WO#: 70279324

Due Date: 12/15/23 PM: LAB

CLIENT: INTERTEKLEAD

Page 14 of 15 25253

Additional Comments

Pace® Analytical Services, LLC

DC#\_Title: ENV-FRM-MELV-0024 v04\_SCUR Effective Date: 10/13/2023 WO#: 70279324 Due Date: 12/15/23 Courier: Fed Ex UPS USPS Clien Commercia PM: LAB Project # CLIENT: INTERTEKLEAD Pac☐ Other 9420 Tracking #: 7100 Custody Seal on Cooler/Box Present: ☐ Yes ☐ No Seals intact: ☐ Yes ☐ No Temperature Blank Present: ☐ Yes ☐ No Packing Material: ☐ Bubble Wrap☐ Bubble Bags☐ Ziplo☑ Non☐ Other Type of Ice: Wet Blue Nonn Samples on ice, cooling process has begun Correction Factor: +(). Thermometer Used: THOU Cooler Temperature Corrected(°C): 14. 3-Date/Time 5035A kits placed in freezer Cooler Temperature(°C): 3 8 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: 74 12/11 2 3 COMMENTS: Yes □No Chain of Custody Present: 2. MYes. □No Chain of Custody Filled Out: 3. pyes □No Chain of Custody Relinquished: □N/A Sampler Name & Signature on COC: **⊠**Yes ONO 4 **e**Yes DΝο Samples Arrived within Hold Time: eNo 6. Short Hold Time Analysis (<72hr): □Yes DNO Rush Turn Around Time Requested a Yes gYes 8. □No Sufficient Volume: (Triple volume provided for MS/MSD) 9. □No ∠6Yes Correct Containers Used: □No PYes -Pace Containers Used: 10. orYes ΠNo Containers Intact: DIVA Note: if sediment is visible in the dissolved container. 11. □Yes □No Filtered volume received for Dissolved tests ⊔Yes DNO 12. Sample Labels match COC: SL WT OIL OTHER -Includes date/time/ID/Analysis Matrix: Date and Initials of person checking preservation: 74 12/1123 □ HCI □ H<sub>2</sub>SO<sub>4</sub> □ NaOH □ HNO<sub>3</sub> 13. All containers needing preservation □No DN/A have been 2278220 Sample pH paper Lot# All containers needing preservation are found to be # in compliance with method recommendation? (HNO<sub>3</sub>, H<sub>2</sub>SO<sub>4</sub>, HCl, NaOH>9 Sulfide, GYes DN/A NAOH>12 Cyanide)

Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, Date/Time preservative added: Lot # of added Initial when completed: DRO/8015 (water). oreservative: Per Method, VOA pH is checked after analysis DN/A 14. □No KI starch test strips Lot # N Positive for Res. Chlorine? Υ Residual chlorine strips Lot # PIVA □No SM 4500 CN samples checked for sul a Yes Ν Positive for Sulfide? Lead Acetate Strips Lot # 6N/A 16. nNo nYes: Headspace in VOA Vials ( >6mm): ONIA 17. □Yes □No Trip Blank Present: ON/A Trip Blank Custody Seals Present □Yes □No DATE AND INITIALS OF PERSON COMPLETING SECOND REVIEW:

Person Contacted: \_\_\_\_\_\_ Date/Time: \_\_\_\_\_\_
Comments/ Resolution: \_\_\_\_\_\_

Field Data Required?

Client Notification/ Resolution:

<sup>\*</sup> 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<br>type | Analytical<br>Result (Pb)<br>(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<br>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

Sou Buyer

Project Manager

Enclosures







#### **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



Project: PINE RICHLAND WEXFORD ELEM

Pace Project No.: 70279317

Date: 12/07/2023 12:18 PM

| Sample: W-61                   | Lab ID: 702    | 279317001 | Collected: 11/30/2 | 3 07:20 | Received: 12 | 2/01/23 10:55  | Matrix: Drinking | Water |
|--------------------------------|----------------|-----------|--------------------|---------|--------------|----------------|------------------|-------|
| Parameters                     | Results        | Units     | Report Limit       | DF      | Prepared     | Analyzed       | CAS No.          | Qual  |
| 200.8 MET ICPMS Drinking Water | Analytical Met |           |                    |         |              |                |                  |       |
| Lead                           | 2.4            | ug/L      | 1.0                | 1       |              | 12/06/23 10:39 | 7439-92-1        |       |



Project: PINE RICHLAND WEXFORD ELEM

Pace Project No.: 70279317

Date: 12/07/2023 12:18 PM

| Sample: W-62                   | Lab ID: 702    | 79317002 | Collected: 11/30/2 | 23 07:20 | Received: 12 | 2/01/23 10:55  | Matrix: Drinking | Water |
|--------------------------------|----------------|----------|--------------------|----------|--------------|----------------|------------------|-------|
| Parameters                     | Results        | Units    | Report Limit       | DF       | Prepared     | Analyzed       | CAS No.          | Qual  |
| 200.8 MET ICPMS Drinking Water | Analytical Met |          |                    |          |              |                |                  |       |
| Lead                           | 2.9            | ug/L     | 1.0                | 1        |              | 12/06/23 10:46 | 7439-92-1        |       |



Project: PINE RICHLAND WEXFORD ELEM

Pace Project No.: 70279317

Date: 12/07/2023 12:18 PM

| Sample: W-63                   | Lab ID: 702 | 79317003  | Collected: 11/30/2 | 23 07:20 | Received: 12 | 2/01/23 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 | 3 7439-92-1      |       |  |  |



Project: PINE RICHLAND WEXFORD ELEM

Pace Project No.: 70279317

| Sample: W-64                   | Lab ID: 702                      | 279317004 | Collected: 11/30/2 | 3 07:20 | Received: 12 | 2/01/23 10:55  | Matrix: Drinking | Water |
|--------------------------------|----------------------------------|-----------|--------------------|---------|--------------|----------------|------------------|-------|
| Parameters                     | Results                          | Units     | Report Limit       | DF      | Prepared     | Analyzed       | CAS No.          | Qual  |
| 200.8 MET ICPMS Drinking Water | Analytical Met<br>Pace Analytica |           |                    |         |              |                |                  |       |
| Lead                           | <1.0                             | ug/L      | 1.0                | 1       |              | 12/06/23 10:49 | 7439-92-1        |       |



Project: PINE RICHLAND WEXFORD ELEM

Pace Project No.: 70279317

| Sample: W-65                   | Lab ID: 702    | 79317005 | Collected: 11/30/2 | 3 07:20 | Received: 12 | 2/01/23 10:55  | Matrix: Drinking | Water |
|--------------------------------|----------------|----------|--------------------|---------|--------------|----------------|------------------|-------|
| Parameters                     | Results        | Units    | Report Limit       | DF      | Prepared     | Analyzed       | CAS No.          | Qual  |
| 200.8 MET ICPMS Drinking Water | Analytical Met |          |                    |         |              |                |                  |       |
| Lead                           | <1.0           | ug/L     | 1.0                | 1       |              | 12/06/23 10:51 | 7439-92-1        |       |



Project: PINE RICHLAND WEXFORD ELEM

Pace Project No.: 70279317

| Sample: W-66                   | Lab ID: 702    | 279317006 | Collected: 11/30/2 | 3 07:20 | Received: 12 | 2/01/23 10:55 I | Matrix: Drinking | Water |
|--------------------------------|----------------|-----------|--------------------|---------|--------------|-----------------|------------------|-------|
| Parameters                     | Results        | Units     | Report Limit       | DF      | Prepared     | Analyzed        | CAS No.          | Qual  |
| 200.8 MET ICPMS Drinking Water | Analytical Met |           |                    |         |              |                 |                  |       |
| Lead                           | <1.0           | ug/L      | 1.0                | 1       |              | 12/06/23 10:52  | 7439-92-1        |       |



Project: PINE RICHLAND WEXFORD ELEM

Pace Project No.: 70279317

Date: 12/07/2023 12:18 PM

| Sample: W-67                   | Lab ID: 702    | 79317007        | Collected: 11/30/2 | 23 07:20 | Received: 1 | 2/01/23 10:55  | Matrix: Drinking | Water |
|--------------------------------|----------------|-----------------|--------------------|----------|-------------|----------------|------------------|-------|
| Parameters                     | Results        | Units           | Report Limit       | DF       | Prepared    | Analyzed       | CAS No.          | Qual  |
| 200.8 MET ICPMS Drinking Water | Analytical Met | hod: EPA 200    | ).8                |          |             |                |                  |       |
|                                | Pace Analytic  | al Services - I | Melville           |          |             |                |                  |       |
| Lead                           | <1.0           | ug/L            | 1.0                | 1        |             | 12/06/23 10:54 | 1 7/130-02-1     |       |



Project: PINE RICHLAND WEXFORD ELEM

Pace Project No.: 70279317

| Sample: W-68                   | Lab ID: 702   | 279317008 | Collected: 11/30/2 | 23 07:20 | Received: 12 | 2/01/23 10:55 I | 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        |       |  |  |



Project: PINE RICHLAND WEXFORD ELEM

Pace Project No.: 70279317

Date: 12/07/2023 12:18 PM

| Sample: W-69                   | Lab ID: 702    | 79317009 | Collected: 11/30/2 | 3 07:20 | Received: 12 | 2/01/23 10:55  | Matrix: Drinking | Water |
|--------------------------------|----------------|----------|--------------------|---------|--------------|----------------|------------------|-------|
| Parameters                     | Results        | Units    | Report Limit       | DF      | Prepared     | Analyzed       | CAS No.          | Qual  |
| 200.8 MET ICPMS Drinking Water | Analytical Met |          |                    |         |              |                |                  |       |
| Lead                           | <1.0           | ug/L     | 1.0                | 1       |              | 12/06/23 10:57 | 7439-92-1        |       |



Project: PINE RICHLAND WEXFORD ELEM

Pace Project No.: 70279317

| Sample: W-70                   | Lab ID: 702   | 279317010 | Collected: 11/30/2 | 23 07:42 | Received: 12 | 2/01/23 10:55  | Matrix: Drinking | Water |
|--------------------------------|---------------|-----------|--------------------|----------|--------------|----------------|------------------|-------|
| Parameters                     | Results       | Units     | Report Limit       | DF       | Prepared     | Analyzed       | CAS No.          | Qual  |
| 200.8 MET ICPMS Drinking Water | Analytical Me |           |                    |          |              |                |                  |       |
| Lead                           | 2.8           | ug/L      | 1.0                | 1        |              | 12/06/23 11:01 | 7439-92-1        |       |



#### **QUALITY CONTROL DATA**

Project: PINE RICHLAND WEXFORD ELEM

Pace Project No.: 70279317

Lead

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

LABORATORY CONTROL SAMPLE: 1688114

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

MATRIX SPIKE SAMPLE: 1688116

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

MATRIX SPIKE SAMPLE: 1688118

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

SAMPLE DUPLICATE: 1688115

 Parameter
 Units
 Result Result Result RPD
 Qualifiers

 Lead
 ug/L
 <1.0</td>
 <1.0</td>

SAMPLE DUPLICATE: 1688117

Date: 12/07/2023 12:18 PM

 Parameter
 Units
 Result Result 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.



#### **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.

Date: 12/07/2023 12:18 PM



## **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<br>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"

Company Name:

Street Address:

Pace Analytical Long Island NY 575 Broad Hollow Rd, Melville, NY 11747

CHAIN-OF-CUSTODY Analytical Request Document

LAB USE ONLY- Affix Workorderil onin Lahel Lan

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

10#:70279317 Identify Container Preservative Type\*\*\* Specify Container Size \*\* Analysis Requested 200.8 Drinking Water DW PWSID # or WW Permit # as applicable Pensylvana 412.385.0469 mike.kopar@intertek.com SUM Contact/Report To: Mike Kopar County / State origin of sample(s): Regulatory Program (DW, RCRA, etc.) as applicable: Rush (Pre-approval required): [ ]2 Day [ ]3 day [ ]5 day [ ]Other Purchase Order # (if applicable): voice E-Mail nvoice To: Cc E-Mail: Phone #: Quote #: E-Mail: WEXFORD EVEM [ ]MT [ ]CT 850 Poplar Street, Pittsburgh, PA 15220 Customer Project II: 0816 5069.3
Project Name: School Lead Samping
Anc. Rich land [ ] AK [ ]PT INTERTEKLEAD [ ] Level III

lime Zone Collected:

Jata Deliverable

[ ] Level [ [ ] Equis Other

\*\*Container Stee; (1) 11, (2) 500ml, (3) 250ml, (4) 125ml, (5) 100ml, (6) 40ml vial, (7) EnCore, (8) Terricore, (9) Other Press: (1) None, (2) HN03, (3) H1504, (4) HCI, (5) NaOH, (6) Za Acetate, (7) NaH5O4, (9) Sod. Thiosulfine, (9) Ascoble Acid, (30)

M±OH, (11) Other Lori Beyer

> Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Soild (S3), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V) other (OT), Surface Water (SW), Sediment (SED), Sludge (S1), Caulk Field Filtered (if applicable): [ ] Yes [ ] No Analysis Date Results

Preservation non-conformance identified for sample,

Profile / Template

Sample Comment

GI PAG epitos / Solad

1150798

Number & Type of Containers Plastic Glass Res. CL2 Time Composite End Date 07:20 (or Composite Start)
Date Ti [/30:13 Matrix \* Grab C 30 Customer Sample ID

10000 Collected By: Printed Name: gnature:

ustomer Remarks / Special Conditions / Possible Hazards

ead

3

60

2

67 o e

3 3

3

65 00

3

63 62

> 3 3

3

9

3

69

elinquished by/Company; (Signyeure)

alinquished by/Company: (Signaturd)

-linquished by/Company: (Signature)

Page Padished

Date/Time: 11.3023

late/Time: late/Time:

ceived by/Company: (Signature)

Date/Time:

Received by/Company: (Signature)

ored by: [ ] In-Person [ ] Courier [ ] FedEx F 1 UPS | Tothlar

Obs. Temp. CO.

Correction Factor ("C):

Additional Instructions from Pace®:

X

×

ENV-FRM-CORQ-0019\_v01\_082123 @ ŏ

Jamitting Ample 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/Q

| Sample Container Count Melville |                           |
|---------------------------------|---------------------------|
| DC#_Tille_ENV-FRM-MELV-0150 v1  | Ellective Date: 4/10/2023 |

|                              |  |                                 |     |        |  |      |   | -                                       |    |  |  |              |  |                           |                                    |                           |                           |  |                       |  |                          |                        |                         |                             |                 |                             |                          | ,                           | 2                            |                  |
|------------------------------|--|---------------------------------|-----|--------|--|------|---|---|----|--|--|--------------|--|---------------------------|------------------------------------|---------------------------|---------------------------|--|-----------------------|--|--------------------------|------------------------|-------------------------|-----------------------------|-----------------|-----------------------------|--------------------------|-----------------------------|------------------------------|------------------|
| ay Project                   |  | oos                             |     | 2      |  |      |   |   |    |  |  | Г            |  | Т                         | T                                  | T                         | T                         | П  |                       |  |                          |                        |                         |                             |                 |                             |                          | 3                           | Sender Initials              |                  |
| Multiday Project             | harge  | OO NE                           |     |        |  |      |   | 2 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 |    | 100                                    | ************************************** |              | Matrix   |                           | 7                                  | Non-aqueous Liquid        |                           | Drinking Water   |                       |  |                          |                        |                         |                             |                 |                             |                          |                             | 3                            | 4                |
| eadsheet                     | t sample for field c                         | Wekn<br>Wekn                    |     |        |  |      |   |   |    |  |  |              | -  |                           | T                                  | Ţ                         | WP Wise                   |  |                       |  |                          |                        |                         | a .                         |                 |                             |                          |                             |                              |                  |
| Use Point Number Spreadsheet | Add SCLOGFD to first sample for field charge | Wesn<br>E<br>seal<br>Bule       |     | 2. 医胃毒 |  |      |   | 10000000000000000000000000000000000000  |    |  |  |              | 1000 E   | astic                     | alle                               | droxide                   | per glass                 |  |                       |  | ないのである。                  | 11年の出土地には11年の          | ber vial                | fate 40mL                   | nL viał         | Thio 60mL                   | ber glass                | ber bottle                  | Amber                        | end              |
| Use                          | Add  | Nide<br>Zide<br>Dide<br>Side    |     | 激素的    |  |      |   |   |    | 製造物が                                   |  |              | IOC  | 11. unpreserved plastic   | 250mL HNO3 plastic                 | 250mL Sodium Hydroxide    | 500mL unpres amber glass  |  | Can also be a BP4N    |  | が記るのである。                 | SOC                    | 40mL Na Inio amber viai | Citrate/Na Thiosulfate 40mL |                 |                             | 250mL unpres amber glass | Na Thiosulfate Amber bottle | AG17 Na Thiosultate 1L Amber | 223.0 CHEILICE D |
| 8                            |  | abac<br>abac<br>aban<br>aban    | -11 | 過越過緩   |  | ※ 種類 | _ |   | ,- |  |  |              |  | BP1U                      | BP3N*                              | BP3C                      | AG2U                      |  | . Can also            | İ  |                          |                        | 600                     |                             | DG6T            | DG6M                        | AG3U                     | 8P1B                        | AG1T                         | 2002             |
| 5                            |  | NPdE<br>Scale<br>Scale          | _0  | 经数据    | 機器器  | 強運緩緩 |   | <b>经</b>                                |    |  |  |              | A CAMISON OF THE PARTY OF THE P | 120mL Coliform Na Thio    | Terracore Kit                      | 2oz Unpreserved Jar       | 4oz Unpreserved Jar       | 16oz Unpreserved Jar   | Ziplock Bag           | 1 Ediar Bag<br>1L HCL Clear Glass              | aral                     |                        |                         |                             | ×               | ŧa.                         | **                       |                             |                              |                  |
| 8705                         | of   | DEST<br>DEST<br>DEST<br>DEST    |     | 超越激烈   | 動物を  |      |   | 機總法隊                                    |    | 200 P                                  |  | (4)          |  | SPST                      | α                                  | WG2U                      |                           | WGDU 16az  |                       | BG1H 1L H                                      |                          | WP Wipe                | g.                      | 1                           | П               | tile                        |                          | 1                           |                              |                  |
| ofile #:                     | 11/30<br>37 20                               | 119/<br>(119/<br>(119/<br>(119/ | _   | 遊遊場開   | 部では対象  |      |   | 海路                                      |    | 思端鄉                                    | 数の対象                                   |              | Plastic  | 125mL unpreserved plastic | 250mL unpreserved plastic          | 500mL unpreserved plastic | 1L unpreserved plastic    | 250mL HNO3 plastic   | 500mL HNO3 plastic    | SoomL H2SO4 plastic                            | NaOH 250ml, bottle       | 250mL Trizma           | 250mL Ammonium Acetate  | 1L NaOH, Zn Acetale         | 1L HNO3 plastic | Na Thiosulfate Amber Bottle |                          |                             |                              |                  |
| ^                            | O ELENA                                      | (631<br>(632<br>(632<br>(634    |     |        |  |      |   | <b>医</b>                                |    |  | <b>新发验</b>                             |              |  | BP4U                      | BP3U                               | BP2U                      | 8P1U                      | NEG8   |                       | T  | П                        |                        | BP35 250m               | 1                           |                 | BP1B Na Th                  |                          |                             |                              |                  |
| LEAL                         | WEXFOR                                       | esn<br>vesn<br>vesn<br>vesn     |     |        | \$2.0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0 |      |   | THE PART OF STREET                      |    |  |  |              | 語楽が北端  | 125ml, unpres amber glass | 250mL unpres amber glass           | 500mL unpres amber glass  | Titler unpres amber glass | 250mL H2SO4 amber glass  | 125mL EDA amber glass | Na Suffite 500mL (blue Cap) BP2S               | Na Thiosulfate 1L bottle | 1L HCI amber glass     | 30                      |                             |                 |                             |                          |                             |                              |                  |
| ERTER                        | Hard-  | \$690<br>1990<br>V690           |     |        |  | 100  |   | <b>加州</b>                               |    | 10000000000000000000000000000000000000 |  |              | Glass  | כ                         |                                    | T                         |                           | T  | AG4E                  | AG2R   | AG1T                     |                        | AG1A (NH4C)             | ı                           |                 |                             |                          |                             |                              |                  |
| IN!                          | WORK ID: Pine Richland - WEXFORD ELEMBORISO  | 7697<br>7697<br>7697            | 2   |        | 162 P  |      |   |   |    |  |  |              |  | 40mL unpres clear vial    | 40ml_ Assorbic-HCl clear vial AG3U | 40mL HCI clear vial       | 40mL Sulfuire clear vial  | 40mL Na Iniosullate vial AG34 40mL Citrate-Na Thiosulfate AG3S | 40mL amber viai - TSP | Ascorbic/Maleic Acid 40mL<br>Na Thio 60mL Viaf | Ammanium CI/CuSO4 40mL   | 1L Unpres Jar (Con Ed) |                         | doz clear soil iar          |                 |                             |                          |                             |                              |                  |
| Clia                         | Work   | 060/<br>060/<br>909             |     |        |  | 15   |   |   |    |  |  | lainer Codes |  | VG9U 40mL                 | H                                  |                           |                           | DG9Y 40mL  |                       | DG6T Na T                                      |                          | CG1U 1L Ur             |                         | WG40 402 C                  | $\Box$          | 77.000                      | 5                        |                             |                              |                  |

Sender Initials

WO#: 70279317

PM: LAB Due Date: 12/15/23 CLIENT: INTERTEKLEAD

Page 17 of 18

Additional Comments

0#:70279317 Due Date: 12/15/23 Project # PM: LAB Client Name: CLIENT: INTERTEKLEAD Courier: Fed Ex UPS USPS Clien Commercia Pac€ Other 9420 Tracking #: 7100 Custody Seal on Cooler/Box Present: ☐Yes ☐ No Seals intact: ☐ Yes ☐ No Temperature Blank Present: ☐ Yes ☐ No Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziplo ☑ Non ☐ Other Type of Ice: Wet Blue Non Correction Factor: +(). ☐ Samples on ice, cooling process has begun Thermometer Used: THO! Cooler Temperature Corrected(°C): / . 3-Date/Time 5035A kits placed in freezer Cooler Temperature(°C): 3 8)
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: # 1211/23 COMMENTS: пNo Chain of Custody Present: 2 οNo Chain of Custody Filled Out: ZY9s Chain of Custody Relinquished: οNo 3 eYes □N/A 4. Sampler Name & Signature on COC: eYes □No Samples Arrived within Hold Time: 5. dYes □No 6. Short Hold Time Analysis (<72hr): □Yes 7. ONO Rush Turn Around Time Requested a Yes ΠNο 8. DYes Sufficient Volume: (Triple volume provided for MS/MSD) 9. **é**Yes □No Correct Containers Used: raYes □No -Pace Containers Used: 10. **dYes** □No Containers Intact: Note; if sediment is visible in the dissolved container. □No DNA 11. oYes Filtered volume received for Dissolved tests 12. eYes DNo Sample Labels match COC: SL WIT OIL OTHER Matrix: -Includes date/time/ID/Analysis Date and Initials of person checking preservation: JH [2][173 13. □ HNO<sub>3</sub> □ H<sub>2</sub>SO<sub>4</sub> □ NaOH - HCI All containers needing preservation □Yes □N/A □No have been pH paper Lot # 22/5220 Sample All containers needing preservation are found to be in compliance with method recommendation? DN/A (HNO3, H2SO4, HCI, NaOH>9 Sulfide, aYes NAOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, Date/Time preservative added: Initial when completed: Lot # of added DRO/8015 (water). preservative: Per Method, VOA pH is checked after analysis Samples checked for dechlorination: 

Yes DN/A 14. KI starch test strips Lot # Positive for Res, Chlorine? N Residual chlorine strips Lot # □N/A □No 15. SM 4500 CN samples checked for sul 

Yes Positive for Sulfide? Y N Lead Acetate Strips Lot # M/A пNo 16. Headspace in VOA Vials ( >6mm): □Yes 6N/A 17. oNo Trip Blank Present: □Yes 6N/A Trip Blank Custody Seals Present □Yes aNo DATE AND INITIALS OF PERSON COMPLETING SECOND REVIEW: Y / N Field Data Required? Client Notification/ Resolution: Date/Time: Person Contacted: Comments/ Resolution:

DC#\_Title: ENV-FRM-MELV-0024 v04\_SCUR

Effective Date: 10/13/2023

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

Lou Buyer

Project Manager

**Enclosures** 







#### **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



Project: SCHOOL LEAD SAMPLING

Pace Project No.: 70284839

Date: 01/24/2024 06:58 PM

| Sample: RE-01                  | Lab ID: 702                      | 84839001 | Collected: 12/14/2 | 23 08:00 | Received: 0 | 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 Met<br>Pace Analytica |          |                    |          |             |                |                  |       |
| Lead                           | 2.2                              | ug/L     | 1.0                | 1        |             | 01/24/24 15:02 | 7439-92-1        |       |



Project: SCHOOL LEAD SAMPLING

Pace Project No.: 70284839

Date: 01/24/2024 06:58 PM

| Sample: RE-02                  | Lab ID: 702                    | 284839002 | Collected: 01/12/2 | 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 Me<br>Pace Analytic |           |                    |          |              |                |                  |       |
| Lead                           | 3.2                            | ug/L      | 1.0                | 1        |              | 01/24/24 15:03 | 3 7439-92-1      |       |



#### **QUALITY CONTROL DATA**

Project: SCHOOL LEAD SAMPLING

Pace Project No.: 70284839

QC Batch: 335001 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: 70284839001, 70284839002

METHOD BLANK: 1721479 Matrix: Water

Associated Lab Samples: 70284839001, 70284839002

Blank Reporting
Parameter Units Result Limit Analyzed Qualifiers

Lead ug/L <1.0 1.0 01/24/24 14:47

LABORATORY CONTROL SAMPLE: 1721480

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

MATRIX SPIKE SAMPLE: 1721482

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

SAMPLE DUPLICATE: 1721481

Date: 01/24/2024 06:58 PM

 Parameter
 Units
 70284778001 Result
 Dup Result
 RPD
 Qualifiers

 Lead
 ug/L
 <1.0</td>
 <1.0</td>

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.



#### **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.

Date: 01/24/2024 06:58 PM



## **QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: SCHOOL LEAD SAMPLING

Pace Project No.: 70284839

Date: 01/24/2024 06:58 PM

| Lab ID      | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical<br>Batch |
|-------------|-----------|-----------------|----------|-------------------|---------------------|
| 70284839001 | RE-01     | EPA 200.8       | 335001   |                   |                     |
| 70284839002 | RE-02     | EPA 200.8       | 335001   |                   |                     |

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

CHAIN-OF-CUSTODY Analytical Request Document

AB USE ONLY- Affix Workorder/Login Label Here

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

-əldmes Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCJ, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) \*\*Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) Preservation non-conformance identified for 125ml, (5) 100ml, (6) 40ml vial, (7) EnCore, (8) relog / Bottle Ord. ID: AcctNum / Client ID: Profile / Template: JO#: 70284839 TerraCore, (9) Other MeOH, (11) Other Lori Beyer Proj. Mgr. 1150798 Vab Use Only Identify Container Preservative Type\*\*\* Specify Container Size \*\* Analysis Requested 200.8 Drinking Water 08165069.3 Propoling Field Filtered (if applicable): [ ] Yes DW PWSID # or WW Permit # as applicable 412 385.0469 mike kopar@intertek.com Brile Kope Mike Kopar County / State origin of sample(s): regolatory Program (DW, RCRA, etc.) as applicable: Rush (Pre-approval required): 2 Day [ ] day [ ] 5 day [ ] Other hz-51-1 Purchase Order # (if applicable): Contact/Report To: voice E-Mail voice To: hone #: Cc E-Mail: Quote #: E-Mail: ]CT 850 Poplar Street, Pittsburgh, PA 15220 6-67057139 [ ]MT School Lead Samping Site Collection Info/Facility ID (as applicable) [ ]PT [ ] Level !!! ime Zone Collected: [ ] AK Sustomer Project #: Jata Deliverables treet Address: roject Name: [ ] Level II [ ] EQUIS [ ]Other

\* 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

Number & Type of c Containers Plastic Glass Res. Time Composite End Date 12/14/23 8:000m 1/12/24 7:00 (or Composite Start)
Date Time Matrix \* Grab OF N Customer Sample ID -02 RE-0 RE

Sample Comment

w. Inmedon DEFFER Printed Name: Collected By: Signature:

Customer Remarks / Special Conditions / Possible Hazards:

ead

Additional Instructions from Pace";

leceived by/Company: (Signature seceived by/Company: (5)

6339 2358 6360

Obs Temp. (°C)

+0.4

THICH

ENV-FRM-CORQ-0019\_v01\_082123 @

[ ] FedEx [ ] UPS [ ] Other

ate/Time: Jate/Time:

Received by/Company: (Signature)

leceived by/Company: (Signature)

Date/Time:

Submiting 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/ ©

ப்படிய முரிய by/Company: (Signature)

quished by/Company: (Signature)

elinquished by/Company

Effective Date: 10/13/2023

|   | WO#: (UZ84033  |
|---|--|
| lient Name: INT ELLEN d   | Project PM: LAB Due Date: 02/05/24   |
| Courier: Fed Ex UPS USPS Clien Commercial   |  |
| racking #: 6389 2358 6380   |  |
|   | ntact: ☐ Yes ☐ No.☐ Yes☐ No.☐ Yes☐ No.☐ No.☐ Other Type of Ice: Wet Blue Mone  |
| hermometer Used: TH 711 Correction Factor: +  | Samples on ice, cooling process has begun  |
| Cooler Temperature (°C): 3 () Cooler Temperature Co   | rrected(°C): 3-U Date/Time 5035A kits placed in freezer  |
| emp should be above freezing to 6.0°C<br>ISDA Regulated Soil ( 🐧 N/A, water sample)   |  |
|   | tates: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX,   |
| or VA (chec   | k map)?□ Ye□ No  |
| Did samples originate from a foreign source   | e including Hawaii and Puerto Rico)? 🔲 Yes 🗀 No  |
|   | list (ENV-FRM-MELV-0076) and include with SCUR/COC paperwork.  |
| II 163 to cities question, in out a ringulation 250   | Date and Initials of person examining contents:  |
| . W   | COMMENTS:  |
| Chain of Custody Present: aYes aNo  | 1. 4   |
| Chain of Custody Filled Out:  | 2.   |
| Chain of Custody Relinquished: pYes aNo   | 3.   |
| Sampler Name & Signature on COC: PYes DNo DN/A  | 4.   |
| Samples Arrived within Hold Time: aYes aNo  | 5.   |
| Short Hold Time Analysis (<72hr): DYes DNo Rush Turn Around Time Requested DNO NO   | 7.   |
| Sufficient Volume: (Triple volume PYes INO  | 8.   |
| provided for MS/MSD)  |  |
| Correct Containers Used: aYes aNo   | 9.   |
| -Pace Containers Used: DYes DNo   | 100  |
| Containers Intact: DYES DNO DNA   | 10. 11. Note: if sediment is visible in the dissolved container.   |
| Filtered volume received for PYES ONO ONE OF O | The section of the se |
| Sample Labels match COC: DYes DNo   | 12.  |
| -Includes date/time/ID/Analysis Matrix: SL WT OIL OTHER   | D. J   |
|   | Date and Initials of person checking preservation:   |
| All containers needing preservation OYes ONO ON/A   | 13. □ HNO₃ □ H₂SO₄ □ NaOH □ HCI  |
| nave been   | Sample   |
| pH paper Lot #7 \3 \6 \7 \3 \widetilde{\circ} All containers needing preservation are found to be   | #  |
| in compliance with method recommendation?   | 8  |
| (HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCl, NaOH>9 Sulfide, dYes □No □N/A   | ä  |
| NAOH>12 Cyanide)  |  |
| Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease,   | Initial when completed: Lot # of added Date/Time preservative added:   |
| DRO/8015 (water). Per Melhod, VOA pH is checked after analysis  | preservative;  |
| Samples checked for dechlorination:   | 14.  |
| KI starch test strips Lot # .   | 1  |
| Residual chlorine strips Lot #  | Positive for Res. Chlorine? Y N  |
| SM 4500 CN samples checked for sul a Yes No NA  | 15. Positive for Sulfide? Y N  |
| Lead Acetate Strips Lot # Headspace in VOA Vials ( >6mm): □Yes □No □N/A   | 16.  |
| Trip Blank Present:   | 17.  |
| Trio Blank Custody Seals Present Tyes TNO TNA   | 08.7 1/5/50  |
| DATE AND INITIALS O   | F PERSON COMPLETING SECOND REVIEW: KOC 1/2/29  |
| DATE AND INITIALS O   | Field Data Required? Y / N   |
| Client Notification/ Resolution:  |  |
|   | Date/Time:   |

<sup>\*</sup> PM (Project Manager) review is documented electronically in LIMS.