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November 24, 2021

Pine-Richland School District
702 Warrendale Road
Gibsonia, PA 15044-9534
Attention: Mr. Jeffrey Zimmerman
Maintenance Supervisor

Re: Potable Water Lead Screening
Pine Richland School District
Gibsonia, Allegheny County, Pennsylvania
PSI Project No. 08165069-1

Dear Mr. Zimmerman:

In accordance with your request, Professional Service Industries, Inc. (PSI), an Intertek company, conducted a lead water screening of client-defined potable water sources at the Pine Richland School District facilities. PSI's sampling included fifty (50) water sources, with "first draw" samples collected from each location in the following school buildings at the Pine Richland School District:

- Pine Richland High School (12)
- Pine Richland Middle School (4)
- Eden Hall School (12)
- Richland Elementary School (7)
- Wexford Elementary School (5)
- Hance Elementary School (6)
- Stadium/Athletics (4)

PSI was given authorization to conduct the lead-in-water screening by Mr. Jeffrey Zimmerman, Maintenance Supervisor for the Pine Richland School District, referencing PSI Proposal 0816-358767, dated October 14, 2021.

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 fifty (50) potable water sources, including faucets, water fountains and ice machines. In all, 50 "first draw" samples were collected. 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. "Flush" samples require running water through the water source for one minute and re-sample. The number of samples and the sample locations were determined by the client. Of the 50 samples collected, two (2) had a lead concentration above the proposed PA State recommended upper limit of 5.0 ppb. None of the samples had concentrations above the EPA Action Level of 15.0 ppb or the EPA Recommended Limit of 20 ppb.

METHODOLOGY

PSI's inspector James Davis collected 50 water samples from potable drinking water outlets on November 12, 2021. The "first draw" water samples were collected directly from water fountains, faucets (cold water spigots) or ice machines which had been isolated from service for approximately 8-18 hours. "Flush" samples require running water through the water source for one minute and re-sample. The samples were collected directly into laboratory-supplied 250 ml bottles containing a HNO_3 preservative solution.

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

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

Public Water Supply Testing vs. Testing at Schools

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

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

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

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

Lead was detected above the laboratory analytical detection limit in 11 of the 50 samples collected. Of those 11 samples with lead concentrations above the analytical detection limit, two (2) had a concentration above the Women for a Healthy Environment recommended upper limit of 5.0 ppb. None of the samples exceeded the EPA Action Level of 15.0 ppb. The locations above the recommended levels were:

High School
- Kitchen sink 8.8 ppb

Eden Hall
- Office break room sink 10.7 ppb

Upon receipt of the analytical results, PSI contacted the school to notify the District of the results.

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

CONCLUSIONS

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

Lead was detected above the laboratory analytical detection limit in 11 of the 50 samples collected. Of those 11 samples with lead concentrations above the analytical detection limit, two (2) had a concentration above the Women for a Healthy Environment recommended upper limit of 5.0 ppb. None of the samples had a lead concentration above

the EPA Action Level (15 ppb). If desired, a filter can be installed at the locations that exceeded 5.0 ppb and the outlets re-tested.

RECOMMENDATIONS

Upon receipt of the sampling results, PSI recommended that the outlets with concentrations exceeding the EPA recommended limit of 20 ppb be isolated, removed from service, cleaned or replaced, and then re-sampled. PSI also recommended remediating the potable water outlets that exceeded 5 ppb and re-sampling 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 412-922-4001 x 0383 should you have any questions regarding this report.

Respectfully Submitted,

PROFESSIONAL SERVICE INDUSTRIES, INC.

Jennifer Jacobs
Environmental Tech I

Michael Kopar, CIE
Project Manager, Environmental Services

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

TABLE 1.0
DRINKING WATER SAMPLES
Pine Richland School District
Sample Date: November 12, 2021

Sample No.	Source	Sample Location	Analytical Result (Pb) (ug/L = ppb)
1	BF	HS Cafeteria entrance	<1.0
2	Faucet	HS Kitchen sink	8.8
3	BF	HS Gym hall by weight room	<1.0
4	Faucet	HS Office Break Room	<1.0
5	BF	HS Gym Hallway	<1.0
6	BF	HS Band Area	<1.0
7	Faucet	HS Teacher's Lounge	<1.0
8	BF	HS 300 wing near restroom	<1.0
9	BF	HS 300 wing near Room 325	<1.0
10	BF	HS 300 STEAM breakroom	1.5
11	BF	HS 400 STEAM breakroom	1.2
12	WF	HS 200 wing near stairs	<1.0
13	Faucet	MS Cafeteria kitchen sink	2.2
14	BF	MS Restroom near main office	<1.0
15	Faucet	MS Office breakroom	<1.0
16	Faucet	MS 300 Teacher's lounge	<1.0
17	BF	STAD RAM GAGE	<1.0
18	Faucet	STAD Concession room	<1.0
19	Faucet	STAD Home training room	<1.0
20	Faucet	STAD upstairs side training room	<1.0
21	Faucet	EDEN Teacher's lounge	<1.0
22	BF	EDEN Restroom by Teacher's lounge	<1.0
23	Faucet	EDEN Cafeteria Kitchen	2.8
24	Faucet	EDEN Office Break Room	10.7
25	BF	EDEN Restroom by 314	<1.0

WF - Water Fountain
ND - No Lead Detected (<1.0 ug/L)
Bolded results exceeded the EPA Recommended Action Level of 15 ppb

TABLE 1.0
DRINKING WATER SAMPLES
Pine Richland School District
Sample Date: November 12, 2021

Sample No.	Source	Sample Location	Analytical Result (Pb) (ug/L = ppb)
26	BF	EDEN Restroom near 322	<1.0
27	BF	EDEN Restroom near 614	<1.0
28	BF	EDEN Restroom near 622	<1.0
29	BF	EDEN Restroom near 814	<1.0
30	BF	EDEN Restroom near 823	<1.0
31	BF	EDEN Restroom near 514	<1.0
32	BF	EDEN Restroom near 523	<1.0
33	Faucet	RICH Kitchen sink	1.3
34	BF	RICH Near 112	<1.0
35	Faucet	RICH Breakroom	<1.0
36	BF	RICH Near 103	<1.0
37	BF	RICH Near 201	<1.0
38	BF	RICH Near 219	<1.0
39	Faucet	RICH 2nd Floor Teacher's lounge	1.2
40	Faucet	HANCE Kitchen	<1.0
41	BF	HANCE Cafeteria	1.0
42	Faucet	HANCE Office Breakroom	<1.0
43	BF	HANCE Near Gym	<1.0
44	Faucet	HANCE Teacher's lounge	<1.0
45	BF	HANCE Near 139	<1.0
46	Faucet	WEX Cafeteria sink	1.8
47	Faucet	WEX Office Breakroom	<1.0
48	BF	WEX Restrooms in Main Lobby	<1.0
49	Faucet	WEX Teacher's lounge	1.8
50	BF	WEX 3rd Grade near ballfield	<1.0

WF - Water Fountain
ND - No Lead Detected (<1.0 ug/L)
Bolded results exceeded the EPA Recommended Action Level of 15 ppb

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

November 17, 2021

Mike Kopar
Intertek-PSI
850 Poplar Street
Pittsburgh, PA 15220

RE: Project: HIGHSCHOOL 11/12
Pace Project No.: 70194710

Dear Mike Kopar:

Enclosed are the analytical results for sample(s) received by the laboratory on November 15, 2021. 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,

Savannah S. Benatar
savannah.benatar@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: David Christner, Professional Service Industries
Eric Oldroyd, Intertek-PSI

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

CERTIFICATIONS

Project: HIGHSCHOOL 11/12
Pace Project No.: 70194710

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

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: HIGHSCHOOL 11/12
Pace Project No.: 70194710

Sample: CAFETERIA ENTRANCE BF **Lab ID: 70194710001** Collected: 11/12/21 06:17 Received: 11/15/21 10:00 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		11/16/21 17:54	7439-92-1	

Sample: CAFETERIA KITCHEN SINK **Lab ID: 70194710002** Collected: 11/12/21 06:21 Received: 11/15/21 10:00 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	**8.8**	ug/L	1.0	1		11/17/21 13:02	7439-92-1	

Sample: GYM HALLWAY BY WEIGHTROOM BF **Lab ID: 70194710003** Collected: 11/12/21 06:24 Received: 11/15/21 10:00 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		11/17/21 13:06	7439-92-1	

Sample: OFFICE BREAK ROOM SINK **Lab ID: 70194710004** Collected: 11/12/21 06:27 Received: 11/15/21 10:00 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		11/17/21 13:07	7439-92-1	

Sample: GYM HALLWAY BOTTLE FILLER **Lab ID: 70194710005** Collected: 11/12/21 06:30 Received: 11/15/21 10:00 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		11/17/21 13:09	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: HIGHSCHOOL 11/12
Pace Project No.: 70194710

Sample: BAND AREA BOTTLE FILLER **Lab ID: 70194710006** Collected: 11/12/21 06:32 Received: 11/15/21 10:00 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		11/17/21 13:10	7439-92-1	

Sample: TEACHERS LOUNGE SINK **Lab ID: 70194710007** Collected: 11/12/21 06:36 Received: 11/15/21 10:00 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		11/17/21 13:11	7439-92-1	

Sample: 300 WING RESTROOM FOUNTAIN BF **Lab ID: 70194710008** Collected: 11/12/21 06:39 Received: 11/15/21 10:00 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		11/17/21 13:12	7439-92-1	

Sample: 300 WING NEAR 325 BF **Lab ID: 70194710009** Collected: 11/12/21 06:42 Received: 11/15/21 10:00 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		11/17/21 13:14	7439-92-1	

Sample: 300 STEAM BREAK ROOM BF **Lab ID: 70194710010** Collected: 11/12/21 06:44 Received: 11/15/21 10:00 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	**1.5**	ug/L	1.0	1		11/17/21 13:17	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: HIGHSCHOOL 11/12
Pace Project No.: 70194710

Sample: 400 STEAM BREAKROOM BF **Lab ID: 70194710011** Collected: 11/12/21 06:47 Received: 11/15/21 10:00 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	**1.2**	ug/L	1.0	1		11/17/21 13:19	7439-92-1	

Sample: 200 WING NEAR STAIRWELL FOUNTA **Lab ID: 70194710012** Collected: 11/12/21 06:51 Received: 11/15/21 10:00 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		11/17/21 13:20	7439-92-1	

Sample: CAFETERIA KITCHEN SINK **Lab ID: 70194710013** Collected: 11/12/21 07:00 Received: 11/15/21 10:00 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**2.2**	ug/L	1.0	1		11/17/21 13:21	7439-92-1	

Sample: RESTROOM NEAR MAIN OFFICE BF **Lab ID: 70194710014** Collected: 11/12/21 07:06 Received: 11/15/21 10:00 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		11/17/21 13:22	7439-92-1	

Sample: OFFICE BREAK ROOM SINK **Lab ID: 70194710015** Collected: 11/12/21 07:08 Received: 11/15/21 10:00 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		11/17/21 13:24	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: HIGHSCHOOL 11/12
Pace Project No.: 70194710

Sample: 300 TEACHER LOUNGE SINK **Lab ID: 70194710016** Collected: 11/12/21 07:14 Received: 11/15/21 10:00 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		11/17/21 13:25	7439-92-1	

Sample: RAM GAGE BF **Lab ID: 70194710017** Collected: 11/12/21 07:18 Received: 11/15/21 10:00 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		11/17/21 13:26	7439-92-1	

Sample: CONCESSION ROOM IN STADIUM SIN **Lab ID: 70194710018** Collected: 11/12/21 07:23 Received: 11/15/21 10:00 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		11/17/21 13:27	7439-92-1	

Sample: HOME SIDE TRAINER ROOM SINK **Lab ID: 70194710019** Collected: 11/12/21 07:27 Received: 11/15/21 10:00 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		11/17/21 13:29	7439-92-1	

Sample: UPSTAIRS SIDE TRAINER ROOM SIN **Lab ID: 70194710020** Collected: 11/12/21 07:32 Received: 11/15/21 10:00 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		11/16/21 18:30	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: HIGHSCHOOL 11/12
Pace Project No.: 70194710

Sample: TEACHER LOUNGE EDEN HALL SINK **Lab ID: 70194710021** Collected: 11/12/21 07:52 Received: 11/15/21 10:00 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		11/16/21 18:34	7439-92-1	

Sample: RESTROOM BY TEACHER LOUNGE WAT **Lab ID: 70194710022** Collected: 11/12/21 07:55 Received: 11/15/21 10:00 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		11/16/21 18:38	7439-92-1	

Sample: CAFETERIA KITCHEN SINK **Lab ID: 70194710023** Collected: 11/12/21 07:58 Received: 11/15/21 10:00 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**2.8**	ug/L	1.0	1		11/16/21 18:41	7439-92-1	

Sample: OFFICE BREAK ROOM SINK **Lab ID: 70194710024** Collected: 11/12/21 08:03 Received: 11/15/21 10:00 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**10.7**	ug/L	1.0	1		11/16/21 18:45	7439-92-1	

Sample: EDEN HALL RESTROOM BY 314 BF **Lab ID: 70194710025** Collected: 11/12/21 08:07 Received: 11/15/21 10:00 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		11/16/21 18:46	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: HIGHSCHOOL 11/12
Pace Project No.: 70194710

Sample: RESTROOM BY 322 BOTTLE FILLER **Lab ID: 70194710026** Collected: 11/12/21 08:10 Received: 11/15/21 10:00 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		11/16/21 18:48	7439-92-1	

Sample: RESTROOM BY 614 BF **Lab ID: 70194710027** Collected: 11/12/21 08:13 Received: 11/15/21 10:00 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		11/16/21 18:49	7439-92-1	

Sample: RESTROOM BY 622 BF **Lab ID: 70194710028** Collected: 11/12/21 08:17 Received: 11/15/21 10:00 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		11/16/21 18:50	7439-92-1	

Sample: RESTROOM BY 814 BF **Lab ID: 70194710029** Collected: 11/12/21 08:20 Received: 11/15/21 10:00 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		11/16/21 18:51	7439-92-1	

Sample: RESTROOM BY 823 BF **Lab ID: 70194710030** Collected: 11/12/21 08:23 Received: 11/15/21 10:00 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		11/16/21 18:53	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: HIGHSCHOOL 11/12
Pace Project No.: 70194710

Sample: RESTROOM BY 514 BF **Lab ID: 70194710031** Collected: 11/12/21 08:26 Received: 11/15/21 10:00 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		11/16/21 18:54	7439-92-1	

Sample: RESTROOM BY 523 BF **Lab ID: 70194710032** Collected: 11/12/21 08:28 Received: 11/15/21 10:00 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		11/16/21 18:55	7439-92-1	

Sample: RICHLAND ELEMENTARY KITCHEN SI **Lab ID: 70194710033** Collected: 11/12/21 08:51 Received: 11/15/21 10:00 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	**1.3**	ug/L	1.0	1		11/16/21 18:56	7439-92-1	

Sample: NEAR 112 BF **Lab ID: 70194710034** Collected: 11/12/21 08:53 Received: 11/15/21 10:00 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		11/16/21 19:00	7439-92-1	

Sample: BREAKROOM SINK **Lab ID: 70194710035** Collected: 11/12/21 08:55 Received: 11/15/21 10:00 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		11/16/21 19:01	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: HIGHSCHOOL 11/12
Pace Project No.: 70194710

Sample: NEAR 103 BF **Lab ID: 70194710036** Collected: 11/12/21 08:57 Received: 11/15/21 10:00 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		11/16/21 19:03	7439-92-1	

Sample: NEAR 201 BF **Lab ID: 70194710037** Collected: 11/12/21 09:00 Received: 11/15/21 10:00 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		11/16/21 19:04	7439-92-1	

Sample: NEAR 219 BF **Lab ID: 70194710038** Collected: 11/12/21 09:03 Received: 11/15/21 10:00 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		11/16/21 19:05	7439-92-1	

Sample: TEACHERS LOUNGE 2ND FLOOR SINK **Lab ID: 70194710039** Collected: 11/12/21 09:04 Received: 11/15/21 10:00 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	**1.2**	ug/L	1.0	1		11/16/21 19:06	7439-92-1	

Sample: HOME SCHOOL KITCHEN SINK **Lab ID: 70194710040** Collected: 11/12/21 09:17 Received: 11/15/21 10:00 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		11/16/21 19:08	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: HIGHSCHOOL 11/12
Pace Project No.: 70194710

Sample: CAFETERIA BF **Lab ID: 70194710041** Collected: 11/12/21 09:19 Received: 11/15/21 10:00 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		11/16/21 19:11	7439-92-1	

Sample: OFFICE BREAK ROOM SINK **Lab ID: 70194710042** Collected: 11/12/21 09:20 Received: 11/15/21 10:00 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		11/16/21 19:18	7439-92-1	

Sample: NEAR GYM BF **Lab ID: 70194710043** Collected: 11/12/21 09:21 Received: 11/15/21 10:00 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		11/16/21 19:19	7439-92-1	

Sample: TEACHERS LOUNGE SINK **Lab ID: 70194710044** Collected: 11/12/21 09:23 Received: 11/15/21 10:00 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		11/16/21 19:20	7439-92-1	

Sample: NEAR 139 BF **Lab ID: 70194710045** Collected: 11/12/21 09:26 Received: 11/15/21 10:00 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		11/16/21 19:21	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: HIGHSCHOOL 11/12
Pace Project No.: 70194710

Sample: WEXFORRD SCHOOL CAFETERIA SINK **Lab ID: 70194710046** Collected: 11/12/21 09:45 Received: 11/15/21 10:00 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**1.8**	ug/L	1.0	1		11/16/21 19:23	7439-92-1	

Sample: OFFICE/BREAK ROOM SINK **Lab ID: 70194710047** Collected: 11/12/21 09:47 Received: 11/15/21 10:00 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		11/16/21 19:24	7439-92-1	

Sample: RESTROOM MAIN LOBBY BF **Lab ID: 70194710048** Collected: 11/12/21 09:49 Received: 11/15/21 10:00 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		11/16/21 19:25	7439-92-1	

Sample: TEACHERS LOUNGE SINK **Lab ID: 70194710049** Collected: 11/12/21 09:52 Received: 11/15/21 10:00 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**1.8**	ug/L	1.0	1		11/16/21 19:26	7439-92-1	

Sample: 3RD GRADE WEAR BALLFIELD BF **Lab ID: 70194710050** Collected: 11/12/21 09:55 Received: 11/15/21 10:00 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		11/16/21 19:30	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: HIGHSCHOOL 11/12
Pace Project No.: 70194710

QC Batch: 233566 — 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: 70194710001, 70194710002, 70194710003, 70194710004, 70194710005, 70194710006, 70194710007, 70194710008, 70194710009, 70194710010, 70194710011, 70194710012, 70194710013, 70194710014, 70194710015, 70194710016, 70194710017, 70194710018, 70194710019, 70194710020

METHOD BLANK: 1178168 — Matrix: Water

Associated Lab Samples: 70194710001, 70194710002, 70194710003, 70194710004, 70194710005, 70194710006, 70194710007, 70194710008, 70194710009, 70194710010, 70194710011, 70194710012, 70194710013, 70194710014, 70194710015, 70194710016, 70194710017, 70194710018, 70194710019, 70194710020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	11/16/21 17:52	

LABORATORY CONTROL SAMPLE: 1178169

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	53.3	107	85-115	

MATRIX SPIKE SAMPLE: 1178171

Parameter	Units	70194710001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	50	57.9	116	70-130	

MATRIX SPIKE SAMPLE: 1178173

Parameter	Units	70194710002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	8.8	50	69.4	121	70-130	

SAMPLE DUPLICATE: 1178170

Parameter	Units	70194710001 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

SAMPLE DUPLICATE: 1178172

Parameter	Units	70194710002 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	8.8	8.9	1	

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: HIGHSCHOOL 11/12
Pace Project No.: 70194710

QC Batch: 233567
QC Batch Method: EPA 200.8
Analysis Method: EPA 200.8
Analysis Description: 200.8 MET No Prep Drinking Water
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70194710021, 70194710022, 70194710023, 70194710024, 70194710025, 70194710026, 70194710027, 70194710028, 70194710029, 70194710030, 70194710031, 70194710032, 70194710033, 70194710034, 70194710035, 70194710036, 70194710037, 70194710038, 70194710039, 70194710040

METHOD BLANK: 1178175 Matrix: Water
Associated Lab Samples: 70194710021, 70194710022, 70194710023, 70194710024, 70194710025, 70194710026, 70194710027, 70194710028, 70194710029, 70194710030, 70194710031, 70194710032, 70194710033, 70194710034, 70194710035, 70194710036, 70194710037, 70194710038, 70194710039, 70194710040

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	11/16/21 18:32	

LABORATORY CONTROL SAMPLE: 1178176

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	52.0	104	85-115	

MATRIX SPIKE SAMPLE: 1178178

Parameter	Units	70194710021 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	50	58.7	117	70-130	

MATRIX SPIKE SAMPLE: 1178180

Parameter	Units	70194710022 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	50	56.7	113	70-130	

SAMPLE DUPLICATE: 1178177

Parameter	Units	70194710021 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

SAMPLE DUPLICATE: 1178179

Parameter	Units	70194710022 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

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

REPORT OF LABORATORY ANALYSIS

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Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: HIGHSCHOOL 11/12
Pace Project No.: 70194710

QC Batch: 233568 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: 70194710041, 70194710042, 70194710043, 70194710044, 70194710045, 70194710046, 70194710047, 70194710048, 70194710049, 70194710050

METHOD BLANK: 1178181 Matrix: Water
Associated Lab Samples: 70194710041, 70194710042, 70194710043, 70194710044, 70194710045, 70194710046, 70194710047, 70194710048, 70194710049, 70194710050

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	11/16/21 19:09	

LABORATORY CONTROL SAMPLE: 1178182

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	51.4	103	85-115	

MATRIX SPIKE SAMPLE: 1178184

Parameter	Units	70194710041 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	1.0	50	60.3	118	70-130	

SAMPLE DUPLICATE: 1178183

Parameter	Units	70194710041 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	1.0	1.0	1	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALIFIERS

Project: HIGHSCHOOL 11/12
Pace Project No.: 70194710

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.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: HIGHSCHOOL 11/12
Pace Project No.: 70194710

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70194710001	CAFETERIA ENTRANCE BF	EPA 200.8	233566		
70194710002	CAFETERIA KITCHEN SINK	EPA 200.8	233566		
70194710003	GYM HALLWAY BY WEIGHTROOM BF	EPA 200.8	233566		
70194710004	OFFICE BREAK ROOM SINK	EPA 200.8	233566		
70194710005	GYM HALLWAY BOTTLE FILLER	EPA 200.8	233566		
70194710006	BAND AREA BOTTLE FILLER	EPA 200.8	233566		
70194710007	TEACHERS LOUNGE SINK	EPA 200.8	233566		
70194710008	300 WING RESTROOM FOUNTAIN BF	EPA 200.8	233566		
70194710009	300 WING NEAR 325 BF	EPA 200.8	233566		
70194710010	300 STEAM BREAK ROOM BF	EPA 200.8	233566		
70194710011	400 STEAM BREAKROOM BF	EPA 200.8	233566		
70194710012	200 WING NEAR STAIRWELL FOUNTA	EPA 200.8	233566		
70194710013	CAFETERIA KITCHEN SINK	EPA 200.8	233566		
70194710014	RESTROOM NEAR MAIN OFFICE BF	EPA 200.8	233566		
70194710015	OFFICE BREAK ROOM SINK	EPA 200.8	233566		
70194710016	300 TEACHER LOUNGE SINK	EPA 200.8	233566		
70194710017	RAM GAGE BF	EPA 200.8	233566		
70194710018	CONCESSION ROOM IN STADIUM SIN	EPA 200.8	233566		
70194710019	HOME SIDE TRAINER ROOM SINK	EPA 200.8	233566		
70194710020	UPSTAIRS SIDE TRAINER ROOM SIN	EPA 200.8	233566		
70194710021	TEACHER LOUNGE EDEN HALL SINK	EPA 200.8	233567		
70194710022	RESTROOM BY TEACHER LOUNGE WAT	EPA 200.8	233567		
70194710023	CAFETERIA KITCHEN SINK	EPA 200.8	233567		
70194710024	OFFICE BREAK ROOM SINK	EPA 200.8	233567		
70194710025	EDEN HALL RESTROOM BY 314 BF	EPA 200.8	233567		
70194710026	RESTROOM BY 322 BOTTLE FILLER	EPA 200.8	233567		
70194710027	RESTROOM BY 614 BF	EPA 200.8	233567		
70194710028	RESTROOM BY 622 BF	EPA 200.8	233567		
70194710029	RESTROOM BY 814 BF	EPA 200.8	233567		
70194710030	RESTROOM BY 823 BF	EPA 200.8	233567		
70194710031	RESTROOM BY 514 BF	EPA 200.8	233567		
70194710032	RESTROOM BY 523 BF	EPA 200.8	233567		
70194710033	RICHLAND ELEMENTARY KITCHEN SI	EPA 200.8	233567		
70194710034	NEAR 112 BF	EPA 200.8	233567		
70194710035	BREAKROOM SINK	EPA 200.8	233567		
70194710036	NEAR 103 BF	EPA 200.8	233567		
70194710037	NEAR 201 BF	EPA 200.8	233567		
70194710038	NEAR 219 BF	EPA 200.8	233567		
70194710039	TEACHERS LOUNGE 2ND FLOOR SINK	EPA 200.8	233567		

Pace Analytical Services, LLC
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: HIGHSCHOOL 11/12
Pace Project No.: 70194710

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70194710040	**HOME SCHOOL KITCHEN SINK**	EPA 200.8	233567		
70194710041	**CAFETERIA BF**	EPA 200.8	233568		
70194710042	**OFFICE BREAK ROOM SINK**	EPA 200.8	233568		
70194710043	**NEAR GYM BF**	EPA 200.8	233568		
70194710044	**TEACHERS LOUNGE SINK**	EPA 200.8	233568		
70194710045	**NEAR 139 BF**	EPA 200.8	233568		
70194710046	**WEXFORRD SCHOOL CAFETERIA SINK**	EPA 200.8	233568		
70194710047	**OFFICE/BREAK ROOM SINK**	EPA 200.8	233568		
70194710048	**RESTROOM MAIN LOBBY BF**	EPA 200.8	233568		
70194710049	**TEACHERS LOUNGE SINK**	EPA 200.8	233568		
70194710050	**3RD GRADE WEAR BALLFIELD BF**	EPA 200.8	233568		

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WO# : 70194710

70194710

CHAIN-OF-CUSTO

The Chain-of-Custody is a LE ...tely.

Page : 1 Of 5

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Professional Service Industries-PA	Report To: Mike Kopar	Attention:
Address: 850 Poplar Street	Copy To:	Company Name:
Pittsburgh, PA 15220		Address:
Email: mike.kopar@psiusa.com	Purchase Order #: Pine Richland	Pace Quote:
Phone: NONE Fax:	Project Name: Lead Bottles	Pace Project Manager: lea.sherman@pacelabs.com,
Requested Due Date:	Project #: D8165069-1	Pace Profile #: x

Regulatory Agency

State / Location: PA

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Lead 200.8	Residual Chlorine (Y/N)
	MATRIX CODE: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Other OT, Tissue TS																			
	Highschool																			
1	Cafeteria Entrance BF	DW	G	11-	6:17	11-12-21						X							X	
2	Cafeteria kitchen ~~BF~~ Sink				6:21															
3	GYM Hallway by weightroom BF				6:24															
4	Office Break room Sink				6:27 am															
5	GYM Hallway Bottle filler				6:30 am															
6	Band Area bottle filler				6:32 am															
7	teachers lounge Sink				6:36															
8	300 wing Restroom fountain BF				6:39															
9	300 wing near 325 BF				6:42															
10	300 Steam Break room BF				6:44															
11	400 Steam Breakroom BF				6:47															
12	200 wing near Starwell Fountain BF				6:51															

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	James Davis	11-12		Mary Sz / Pace	11/15/21	10:00	NA	N	Y	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: James Davis

SIGNATURE of SAMPLER: James Davis

DATE Signed: 11- -21

TEMP in C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page : 2 Of 5 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Professional Service Industries-PA	Report To:	Mike Kopar	Attention:	
Address:	850 Poplar Street	Copy To:		Company Name:	
	Pittsburgh, PA 15220			Address:	
Email:	mike.kopar@psiusa.com	Purchase Order #:	Pine Richland	Pace Quote:	
Phone:	NONE Fax:	Project Name:	Lead Bottles	Pace Project Manager:	lea.sherman@pacelabs.com,
Requested Due Date:		Project #:	08165069-1	Pace Profile #:	x

Regulatory Agency	
State / Location	
PA	

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Lead 200.8	Residual Chlorine (Y/N)
	Middleschool																			
13	Cafeteria Kitchen Sink	DW	G	11-11-21	7:00	11-12						X							X	
14	Restroom Near Mem office BF				7:06															
15	Office Break Room Sink				7:08															
16	300 Teacher lounge Sink				7:14am															
17	Ram Gage BF				7:18am															
18	Concession Room in Stadium Sink				7:23 am															
19	Home Side trainer Room Sink				7:27 am															
20	Visitor Side trainer Room Sink				7:32 am															
21	Teacher lounge Eden Hall Sink				7:52															
22	RestRoom by teacher lounge Water fill				7:55															
23	Cafeteria Kitchen Sink				7:58															
24	Office Break room Sink				8:03															

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	James Davis	11-12		/ Pace	11/15/21	1040	N/A	N	Y	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: James Davis

SIGNATURE of SAMPLER: James Davis DATE Signed: 11- -21

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

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Company:	Professional Service Industries-PA	Report To:	Mike Kopar	Attention:	
Address:	850 Poplar Street	Copy To:		Company Name:	
Pittsburgh, PA 15220				Address:	
Email:	mike.kopar@psiusa.com	Purchase Order #:	Pine Richland	Pace Quote:	
Phone:	NONE Fax:	Project Name:	Lead Bottles	Pace Project Manager:	lea.sherman@pacelabs.com,
Requested Due Date:		Project #:	0816069-1	Pace Profile #:	x

Regulatory Agency

State / Location: PA

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Lead 200.8	Residual Chlorine (Y/N)
25	Eden Hall Restroom by 314 BF	DW	G	11-	8:07	11-12						X							X	
26	Restroom by 322 Bottle filler				8:10															
27	Restroom by 614 BF				8:13															
28	Restroom by 622 BF				8:17															
29	Restroom by 814 BF				8:20															
30	Restroom by 823 BF				8:23															
31	Restroom by 514 BF				8:26															
32	Restroom by 523 BF				8:28															
33	Richland Elementary kitchen sink				8:51															
34	Near 112 BF				8:53															
35	Break Room Sink				8:55															
36	Near 103 BF				8:57															

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	James Davis	11-12		Mac Sz / Pace	11/15/21	1030	NA	N	Y	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: James Davis

SIGNATURE of SAMPLER: James Davis DATE Signed: 11- -21

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

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Page : 4 1 Of 5 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Professional Service Industries-PA	Report To:	Mike Kopar	Attention:	
Address:	850 Poplar Street	Copy To:		Company Name:	
Pittsburgh, PA 15220				Address:	
Email:	mike.kopar@psiusa.com	Purchase Order #:	Pine Richland	Pace Quote:	
Phone:	NONE Fax:	Project Name:	Lead Bottles	Pace Project Manager:	lea.sherman@pacelabs.com,
Requested Due Date:		Project #:	08165069-1	Pace Profile #:	x

Regulatory Agency	State / Location
	PA

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Lead 200.8	Residual Chlorine (Y/N)
37	Near 201 BF	DW	G	11-	9:00	11-12						X							X	
38	Near 219 BF				9:03	11-12														
39	Teachers lounge 2nd Floor Sink				9:04	11-12														
40	Manor School kitchen Sink				9:17	11-12														
41	Cafeteria BF				9:19	11-12														
42	Office Break Room Sink				9:20	11-12														
43	Near GYM BF				9:21	11-12														
44	Teachers lounge Sink				9:23	11-12														
45	Near 139 BF				9:26	11-12														
46	Wexford School Cafeteria Sink				9:45	11-12														
47	office / Break Room Sink				9:47	11-12														
48	Restroom Main Lobby BF				9:49	11-12														

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	James Davis	11-12			11/15/12	10:00	N/A	N	Y	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: James Davis

SIGNATURE of SAMPLER: James Davis DATE Signed: 11- -21

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

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CHAIN-OF-CUSTODY / Analytical Request Document

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Company:	Professional Service Industries-PA	Report To:	Mike Kopar	Attention:	
Address:	850 Poplar Street	Copy To:		Company Name:	
Pittsburgh, PA 15220				Address:	
Email:	mike.kopar@psiusa.com	Purchase Order #:	Pine Richland	Pace Quote:	
Phone:	NONE Fax:	Project Name:	Lead Bottles	Pace Project Manager:	lea.sherman@pacelabs.com,
Requested Due Date:		Project #:	81650169-1	Pace Profile #:	x

Regulatory Agency	
State / Location	PA

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Lead 200.8	Residual Chlorine (Y/N)
1	teachers lounge Sink	DW	G	11-	9:52	11-12						X							X	
2	3rd grade wear ballfield BF				9:55	11-12						X							X	
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	James Davis	11-12		Mike Sz / Pace	11/15/12		NA	N	Y	Y

SAMPLER NAME AND SIGNATURE				
PRINT Name of SAMPLER:	James Davis			
SIGNATURE of SAMPLER:	James Davis	DATE Signed:	11-	-21

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Pace Analytical®

Sample Condition Upon Recei

WO#: 70194710

PM: SSB **Due Date: 12/01/21**

CLIENT: PSIC

Client Name: PSI

Project #

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

Tracking #: 9546 2339 4839

Custody Seal on Cooler/Box Present: ☑ Yes ☐ No Seals intact: ☑ Yes ☐ No ☐ N/A

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☑ None ☐ Other

Thermometer Used: ~~TH091~~ TH176 Correction Factor: +0.1

Cooler Temperature(°C): N/A Cooler Temperature Corrected(°C):

Temp should be above freezing to 6.0°C

Temperature Blank Present: ☐ Yes ☑ No

Type of Ice: Wet Blue (None)

☐ Samples on ice, cooling process has begun

Date/Time 5035A kits placed in freezer

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

Date and Initials of person examining contents: MM 11/15/21

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

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

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☑ Yes	☐ No		1.
Chain of Custody Filled Out:	☑ Yes	☐ No		2.
Chain of Custody Relinquished:	☑ Yes	☐ No		3.
Sampler Name & Signature on COC:	☑ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time:	☑ Yes	☐ No		5.
Short Hold Time Analysis (<72hr):	☐ Yes	☑ No		6.
Rush Turn Around Time Requested:	☐ Yes	☑ No		7.
Sufficient Volume: (Triple volume provided for I	☑ Yes	☐ No		8.
Correct Containers Used:	☑ Yes	☐ No		9.
-Pace Containers Used:	☑ Yes	☐ No		
Containers Intact:	☐ Yes	☐ No		10.
Filtered volume received for Dissolved tests	☐ Yes	☐ No	☑ N/A	11. * Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☐ Yes	☐ No		12.
-Includes date/time/ID/ Matrix: SL (WT) OIL				
All containers needing preservation have been checked?	☑ Yes	☐ No	☐ N/A	13. ☑ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot # HC 549780				
All containers needing preservation are found to be in compliance with method recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide)	☑ Yes	☐ No	☐ N/A	Sample #
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis				Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Samples checked for dechlorination:	☐ Yes	☐ No	☑ N/A	14.
KI starch test strips Lot #				Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
SM 4500 CN samples checked for sulfide?	☐ Yes	☐ No	☑ N/A	15.
Lead Acetate Strips Lot #				Positive for Sulfide? Y N
Headspace in VOA Vials (>6mm):	☐ Yes	☐ No	☑ N/A	16.
Trip Blank Present:	☐ Yes	☐ No	☑ N/A	17.
Trip Blank Custody Seals Present	☐ Yes	☐ No	☑ N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

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