

RETEST OF LEAD IN DRINKING WATER SAMPLING

of

Pittsburgh Public Schools

Survey Dates: February 26 – August 17, 2019

Prepared for:

Pittsburgh Public Schools
Facilities
1305 Muriel Street
Pittsburgh, Pennsylvania 15203

Prepared by:



Skelly and Loy, Inc.
3280 William Pitt Way
Pittsburgh, PA 15238

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1. INTRODUCTION

Skelly and Loy, Inc. was retained by the Pittsburgh Public School (PPS) District to conduct testing for the presence of lead in drinking water and follow up retesting of any faucets that exceeded the EPA Drinking Water Action Level of 15 parts per billion (ppb).

The additional retesting was conducted at 19 of the 33 school buildings from February 26 through August 17, 2019. The objective of the water sample retesting was to verify if proper corrective actions, such as replacing faucet aerators or total faucet replacement was successful in reducing the lead concentrations in the affected faucet. For our scope, drinking water and cooking fixtures were defined as classroom faucets; home economic faucets; kitchen faucets; cafeteria faucets; nurse's office sink faucets; office sink faucets; teacher's lounge sinks; and miscellaneous faucets.

In addition to the retesting of faucets indicating elevated lead levels, water samples were collected from newly installed filtered water fountain/bottle filling stations with lead filters. 71 water samples were collected from 19 school buildings where the new filtered water fountains were installed. All water samples results collected from these filtered water fountains indicated a level of less than 15.0 ppb.

2. SAMPLING METHODOLOGY

Retest water samples were collected, delivered, and analyzed according to the Environmental Protection Agency's (EPA's) "Lead in Drinking Water in Schools and Non-Residential Buildings, EPA 812-B-94-002," April 1994 and "3Ts for Reducing Lead in Drinking Water in Schools: Revised Technical Guidance," October 2018. The Pennsylvania Public School Code, Act 39 - Section 742 as amended on June 22, 2018 states that the lead levels in drinking water should not exceed the EPA's National Primary Drinking Water Regulations, Action Level for lead, currently 15 parts per billion (ppb). The purpose of this water sampling effort is to help minimize exposure to school students and staff to lead in drinking water at PPS facilities.

All water samples were collected in 250 mL plastic containers that were prepackaged by the analytical laboratory. At each water sample location, the first draw water sample was collected after the water in the plumbing lines had been standing in the plumbing system for greater than eight (8) hours, but less than eighteen (18) hours. Each school building's water system was used the evening before the first-draw samples to follow the 3Ts water sampling protocols.

Where previous second draw samples indicated elevated lead levels, a second draw water sample was collected after the water in the system was discharged for 30 seconds, after the first draw sample. This is called a purged-line or flushed sample. This water sample will show the lead content of water that has not been in contact with the fixture for an extended time.

All samples were analyzed for lead content by R.J. Lee, Inc., 350 Hochberg Road, Monroeville, Pennsylvania using EPA method 200.8 - Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma - Mass Spectrometry (ICP-MS)." R.J. Lee is an independent Pennsylvania (PA) laboratory certified for drinking water analysis.

3. LEAD IN DRINKING WATER RESULTS AND DISCUSSION

Analytic results of the retest water samples were received by Skelly and Loy and reviewed in relation to EPA's "Lead in Drinking Water in Schools and Non-Residential Buildings, EPA 812-B-94-002," April 1994 and "3Ts for Reducing Lead in Drinking Water in Schools: Revised Technical Guidance," October 2018. Lead concentrations above 15 ppb were considered to be elevated and additional recommended actions should be taken to reduce the lead. Following mitigation of fixtures that exceeded the recommended lead concentration, retesting of the water will be conducted to ensure the lead in drinking water was reduced below 15 ppb.

Administration Building:

At the PPS Administration Building, a total of 61 samples were collected from 32 drinking water and cooking use fixtures and faucets. The results of seven samples collected: **19-ADM-02-OF-37A, 19-ADM-02-OF-37B, 19-ADM-02-OF-47A, 19-ADM-02-OF-47B, 19-ADM-03-OF-58A, 19-ADM-04-OF-84A, and 19-ADM-04-OF-84B** indicated lead concentrations above the EPA lead in drinking water action level of 15 ppb.

Seven (7) retest water samples: **19-ADM-02-OF-37C, 19-ADM-02-OF-37D, 19-ADM-02-OF-47C, 19-ADM-02-46D, 19-ADM-03-OF-58C, 19-ADM-04-OF-84C, and 19-ADM-04-OF-84D** were collected on July 20, 2019.

The results of 3 water samples: **19-ADM-02-OF-47C, 19-ADM-02-OF-47D, and 19-ADM-04-OF-58C** were *below the EPA lead in drinking water action level of 15 ppb*.

The results of 4 water samples: **19-ADM-02-OF-37C, 19-ADM-02-OF-37D, 19-ADM-04-OF-84C, and 19-ADM-04-OF-84D** were above the EPA lead in drinking water action level of 15 ppb. These fixtures were posted with "Handwash Only" signage.

Allderdice Field House:

No water retesting was required.

Allderdice High School:

At Allderdice High School, a total of 152 samples were collected from 77 drinking water and cooking use fixtures and faucets. The results of two water samples collected: **19-ALD-03-CF-148A and 19-ALD-04-CF-291A** indicated lead concentrations above the EPA lead in drinking water action level of 15 ppb.

Two (2) water samples: **19-ALD-03-CF-148C and 19-ALD-04-CF-291C** were collected on April 26, 2019.

The result of 1 water sample: **19-ALD-03-CF-148C** was *below the EPA lead in drinking water action level of 15 ppb*.

The result of 1 water sample: **19-ALD-04-CF-291C** was above the EPA lead in drinking water action level of 15 ppb.

A follow-up retest sample: **19-ALD-04-CF-291D** was collected on May 1, 2019.

The result of water sample **19-ALD-04-CF-291D** was above the EPA lead in drinking water action level of 15 ppb. This fixture was posted with “Handwash Only” signage.

Allegheny Annex:

No water retesting was required.

Allegheny K-5/6-8:

At Pittsburgh Allegheny K-5/6-8, a total of 87 samples were collected from 45 drinking water and cooking use fixtures and faucets. The results of two fixtures from the collected water samples: **19-AGL-01-CF-34A**, **19-AGL-03-WB-94A**, and **19-AGL-03-WB-94B** were above the EPA lead in drinking water action level of 15 ppb.

Three (3) retest water samples: **19-AGL-01-CF-34C**, **19-AGL-03-WB-94C**, and **19-AGL-03-WB-94D** were collected on May 15, 2019. *All water samples collected indicated results below the EPA lead in drinking water action level of 15 ppb.*

Arsenal PreK-5/6-8:

At Pittsburgh Arsenal PreK-5/6-8, a total of 106 samples were collected from 54 drinking water and cooking use fixtures and faucets. The results of two water samples collected: **ARS-GF-NF-17A** and **ARS-03-CF-120A** indicated lead concentrations above the EPA lead in drinking water action level of 15 ppb.

Two (2) retest water samples: **ARS-GF-NF-17C** and **ARS-03-CF-120C** were collected on April 30, 2019. *Both water samples collected indicated results below the EPA lead in drinking water action level of 15 ppb.*

Beechwood PreK-5:

No water retesting was required.

Brashear High School/South Hills 6-8:

At Pittsburgh Brashear High School/South Hills 6-8, a total of 166 samples were collected from 84 drinking water and cooking use fixtures and faucets. The results of three samples collected: **19-BRA-BS-CF-38A**, **19-BRA-02-WC-186A**, and **19-BRA-03-CF-290A** indicated lead concentrations above the EPA lead in drinking water action level of 15 ppb.

Three (3) retest water samples: **19-BRA-BS-CF-38C**, **19-BRA-02-WC-186C**, and **19-BRA-03-CF-290C** were collected on April 27, 2017. *All water samples collected indicated results below the EPA lead in drinking water action level of 15 ppb.*

CAPA 6-12:

At Pittsburgh CAPA 6-12, a total of 119 samples were collected from 61 drinking water and cooking use fixtures and faucets. The results of two samples collected: **19-CAP-06-CF-160-A** and **19-CAP-06-CF-198-A** indicated lead concentrations above the EPA lead in drinking water action level of 15 ppb.

Two (2) retest water samples: **19-CAP-06-CF-160C** and **19-CAP-06-CF-198C** were collected on June 6, 2019.

The result of water sample **19-CAP-06-CF-160C** was *below the EPA lead in drinking water action level of 15 ppb.*

The result of water sample **19-CAP-06-CF-198C** was *above the EPA lead in drinking water action level of 15 ppb.* This fixture was posted with “Handwash Only” signage.

Carmalt PreK-8:

No water retesting was required.

Colfax K-8:

No water retesting was required.

Concord PreK-5:

At Pittsburgh Concord PreK-5, a total of 68 samples were collected from 35 drinking water and cooking use fixtures and faucets. The result for one water samples collected: **19-CON-01-WC-46A** indicated a lead concentration above the EPA lead in drinking water action level of 15 ppb

The retest water sample: **19-CON-01-WC-46C** was collected on April 16, 2019. *This water sample indicated a result below the EPA lead in drinking water action level of 15 ppb.*

Conroy:

At Conroy Education Center, a total of 74 samples were collected from 38 drinking water and cooking use fixtures and faucets. **The results for three water samples collected: 19-CNY-01-KF-38A, 19-CNY-01-KF-43A, and 19-CNY-01-KF-44A indicated lead concentrations above the EPA lead in drinking water action level of 15 ppb.**

Three (3) retest water samples: **19-CNY-01-KF-38C, 19-CNY-01-KF-43C, and 19-CNY-01-KF-44C** were collected on April 30, 2019. ***All water samples collected indicated results below the EPA lead in drinking water action level of 15 ppb.***

Dilworth PreK-5:

At Pittsburgh Dilworth PreK-5, a total of 60 samples were collected from 31 drinking water and cooking use fixtures and faucets. **The results of three water samples collected: 19-DIL-02-CF-36A, 19-DIL-02-WC-52A, and 19-DIL-CF-71A indicated lead concentrations above the EPA lead in drinking water action level of 15 ppb.**

Two (2) retest water samples: **19-DIL-02-CF-36C and 19-DIL-02-WC-52C** were collected on April 18, 2019. ***Both water samples collected indicated results below the EPA lead in drinking water action level of 15 ppb.***

Fixture **19-DIL-01-CF-71** was posted with “**Handwash Only**” signage prior to retesting.

Fulton PreK-5:

No water retesting was required.

Grandview K-5:

At Pittsburgh Grandview K-5, a total of 78 samples were collected from 40 drinking water and cooking use fixtures and faucets. **The results for five water samples collected; 19-GRD-01-CF-16A, 19-GRD-01-CF-20A, 19-GRD-01-WO-21A, 19-GRD-02-CF-52A, and 19-GRD-02-CF-67A indicated lead concentrations above the EPA lead in drinking water action level of 15 ppb.**

Four (4) retest water samples: **19-GRD-01-CF-16C, 19-GRD-01-CF-20C, 19-GRD-02-CF-52C, and 19-GRD-02-CF-67C** were collected on June 15, 2019. Fixture **19-GRD-01-WO-21** had been removed.

The result of water sample **19-GRD-02-CF-67C** ***was below the EPA lead in drinking water action level of 15 ppb.***

The results of water samples **19-GRD-01-CF-16C, 19-GRD-01-CF-20C, and 19-GRD-02-CF-52C** **were above the EPA lead in drinking water action level of 15 ppb.** These 3 fixtures were posted with “**Handwash Only**” signage.

Greenway (Classical-Gifted Center):

At Greenway – Classical Gifted Center, a total of 132 samples were collected from 67 drinking water and cooking use fixtures and faucets. **The result of one sample collected: 19-GNW-2.4-CF-86A indicated a lead concentration above the EPA lead in drinking water action level of 15 ppb.**

The retest water sample; **19-GNW-2.4-CF-86C** was collected on June 1, 2019. ***This water sample indicated a result below the EPA lead in drinking water action level of 15 ppb.***

Langley Field House:

No water retesting was required.

Liberty K-5:

At Pittsburgh Liberty K-5, a total of 64 samples were collected from 33 drinking water and cooking use fixtures and faucets. **The result of one sample collected: 19-LIB-01-CF-29A indicated lead concentrations above the EPA lead in drinking water action level of 15 ppb.**

The retest water sample; **19-LIB-01-CF-29C** was collected on June 19, 2019.

The result of water samples **19-LIB-01-CF-29C was above the EPA lead in drinking water action level of 15 ppb.**

A follow-up retest sample, **19-LIB-01-CF-29D**, was collected on July 2, 2019.

The result of water sample **19-LIB-01-CF-29D was above the EPA lead in drinking water action level of 15 ppb.** This fixture was posted with “**Handwash Only**” signage.

Mifflin PreK-8:

No water retesting was required.

Minadeo PreK-5:

At Pittsburgh Minadeo PreK-5, a total of 104 samples were collected from 53 drinking water and cooking use fixtures and faucets. **The results of four samples collected: 19-MIN-GF-TF-12A, 19-MIN-GF-CF-30A, 19-MIN-02-HF-59A, and 19-MIN-02-CF-72A indicated lead concentrations above the EPA lead in drinking water action level of 15 ppb.**

Four (4) retest water samples: **19-MIN-GF-TF-12C, 19-MIN-GF-CF-30C, 19-MIN-02-HF-59C, and 19-MIN-02-CF-72C** were collected on April 30, 2019.

The results of water samples **19-MIN-GF-TF-12C, 19-MIN-GF-CF-30C, and 19-MIN-02-CF-72C were below the EPA lead in drinking water action level of 15 ppb.**

The result of water sample **19-MIN-02-HF-59C was above the EPA lead in drinking water action level of 15 ppb.**

A follow-up retest sample, **19-MIN-02-HF-59D**, was collected on May 9, 2019.

The result of water sample **19-MIN-02-HF-59D was above the drinking water action level.** Fixture **19-MIN-02-HF-59** was posted with “Handwash Only” signage.

Obama 6-12, ECC:

At Pittsburgh Obama 6-12, ECC, a total of 148 samples were collected from 74 drinking water and cooking use fixtures and faucets. **The results for two water samples collected; 19-OBA-01-KF-78A and 19-OBA-01-KF-79A, indicated lead concentrations above the EPA lead in drinking water action level of 15 ppb.**

Two (2) retest water samples: **19-OBA-01-KF-78C and 19-OBA-01-KF-79C** were collected on April 11, 2019. **Both water samples collected indicated results below the EPA lead in drinking water action level of 15 ppb.**

Oliver Field House:

No water retesting was required.

Oliver:

At Pittsburgh Oliver, a total of 146 samples were collected from 74 drinking water and cooking use fixtures and faucets. **The results of 16 water samples collected: 19-OLI-GF-CF-41A, 19-OLI-GF-CF-41B, 19-OLI-GF-OF-59A, 19-OLI-01-CF-130A, 19-OLI-01-CF-150A, 19-OLI-01-CF-164A, 19-OLI-01-CF-185A, 19-OLI-01-OF-218A, 19-OLI-02-KF-43A, 19-OLI-02-CF-224A, 19-OLI-02-CF-224B, 19-OLI-02-MC-225A, 19-OLI-02-MC-225B, 19-OLI-02-HF-230A, 19-OLI-02-KF-231A, and 19-OLI-02-HF-237A indicated lead concentrations above the EPA lead in drinking water action level of 15 ppb.**

Sixteen (16) retest water samples: **19-OLI-GF-CF-41C, 19-OLI-GF-CF-41D, 19-OLI-GF-OF-59C, 19-OLI-01-CF-130C, 19-OLI-01-CF-150C, 19-OLI-01-CF-164C, 19-OLI-01-CF-185C, 19-OLI-01-OF-218C, 19-OLI-02-KF-43C, 19-OLI-02-CF-224C, 19-OLI-02-CF-224D, 19-OLI-02-MC-225C, 19-OLI-02-MC-225D, 19-OLI-02-HF-230C, 19-OLI-02-KF-231C, and 19-OLI-02-HF-237C** were collected on June 25, 2019;

The results of 7 water samples: **19-OLI-GF-CF-41C, 19-OLI-GF-CF-41D, 19-OLI-01-CF-130C, 19-OLI-01-CF-150C, 19-OLI-01-CF-185C, 19-OLI-02-MC-225C, and 19-OLI-02-MC-225D were below the EPA lead in drinking water action level of 15 ppb.**

The results of 9 water samples: **19-OLI-02-KF-43C, 19-OLI-GF-OF-59C, 01-CF-130-164C, 19-OLI-01-OF-218C, 19-OLI-02-CF-224C, 19-OLI-02-CF-224D, 19-OLI-02-HF-230C, 19-OLI-02-HF-231C, and 19-OLI-02-HF-237C** were above the EPA lead in drinking water action level of 15 ppb.

Nine (9) follow-up retest samples: **19-OLI-02-KF-43E, 19-OLI-GF-OF-59E, 01-CF-130-164E, 19-OLI-01-CF-218E, 19-OLI-02-CF-224E, 19-OLI-02-CF-224F, 19-OLI-02-HF-230E, 19-OLI-02-KF-231E, and 19-OLI-02-KF-237E** were collected on July 19, 2019.

The results of 3 water samples **19-OLI-01-CF-218E, 19-OLI-02-CF-224F, and 19-OLI-02-KF-237E** were below the EPA lead in drinking water action level of 15 ppb.

The results of 6 water samples **19-OLI-02-KF-43E, 19-OLI-GF-OF-59E, 01-CF-130-164E, 19-OLI-02-CF-224E, 19-OLI-02-HF-230E, and 19-OLI-02-KF-231E** were above the EPA lead in drinking water action level of 15 ppb. These 6 fixtures were posted with “Handwash Only” signage.

Phillips K-5:

No water retesting was required.

Roosevelt Pre K-1:

No water retesting was required.

Schiller 6-8:

At Pittsburgh Schiller 6-8, a total number of 44 water samples were collected from 23 drinking water and cooking use fixtures and faucets sampled on August 14, 2019. Of the 46 water samples collected, **the result of one water sample; 19-SCH-01-OF-39A was above the EPA lead in drinking water action level of 15 ppb.**

The retest water sample; **19-SCH-01-OF-39C** was collected on August 17, 2019. ***This water sample indicated a result below the EPA lead in drinking water action level of 15 ppb.***

Spring Garden ECC:

At Pittsburgh Spring Garden ECC, a total of 36 samples were collected from 19 drinking water and cooking use fixtures and faucets. **The results of three water samples collected; 19-SPG-01-CF-06A, 19-SPG-02-CF-27A, and 19-SPG-02-CF-27B indicated lead concentrations above the EPA lead in drinking water action level of 15 ppb.**

Three retest water samples: **19-SPG-01-CF-06C, 19-SPG-02-CF-27C, and 19-SPG-02-CF-27D** were collected on February 26, 2019.

The results of water sample **19-SPG-02-CF-27D** *was below the EPA lead in drinking water action level of 15 ppb*

The results of 2 water samples: **19-SPG-01-CF-06C** and **19-SPG-02-CF-27C** *were above the EPA lead in drinking water action level of 15 ppb.*

Two follow-up retest water samples: **19-SPG-01-CF-06E** and **19-SPG-02-CF-27E** were collected on March 5, 2019.

The results of the 2 water samples: **19-SPG-01-CF-06E** and **19-SPG-02-CF-27E** *were above the EPA lead in drinking water action level of 15 ppb.* Both faucets were posted with “**Handwash Only**” signage.

Spring Hill K-5:

No water retesting was required.

Student Achievement Center:

At Pittsburgh Student Achievement Center, a total of 48 samples were collected from 25 drinking water and cooking use fixtures and faucets. **The results of three samples collected: 19-SAC-BS-WB-12A, 19-SAC-02-OF-34A, and 19-SAC-02-CF-36A indicated lead concentrations above the EPA lead in drinking water action level of 15 ppb.**

Three retest water samples: **19-SAC-BS-WB-12C, 19-SAC-02-OF-34C, and 19-SAC-02-CF-36C** were collected on July 2, 2019

The results of water samples **19-SAC-02-OF-34C** and **19-SAC-02-CF-36C** *were below the EPA lead in drinking water action level of 15 ppb.*

The result of water sample **19-SAC-BS-WB-12C** *was above the EPA lead in drinking water action level of 15 ppb.* This faucet was posted with “**Handwash Only**” signage.

Westwood PreK-5:

No water retesting was required.

Whittier K-5:

At Pittsburgh Whittier K-5, a total of 50 samples were collected from 26 drinking water and cooking use fixtures and faucets. **The result for one water sample collected; 19-WHI-01-WB-32B indicated a lead concentration above the EPA lead in drinking water action level of 15 ppb.**

The retest water sample; **19-WHI-01-WB-32C** was collected on June 18, 2019. ***This water sample indicated a result below the EPA lead in drinking water action level of 15 ppb.***

Woolslair K-5:

No water retesting was required.

4. BUILDING SUMMARY OF NUMBERS OF FIXTURES AND WATER SAMPLES RETESTED

Below is a table listing each school re sampled, the total number of the fixtures retested, the number of retest water samples collected and results above 15 ppb.

Retesting Date Sampled	School/Building	Total # of Fixtures Retested	# of Samples Retested	Retest samples above 15 ppb
7/1/2019	Administration Building	4	7	4
4/26/2019 & 5/1/2019	Allerdice High School	2	3	1
5/15/19	Allegheny K-5/6-8	2	3	0
5/1/2019	Arsenal PreK-5/6-8	2	2	0
5/4/2019	Brashear High School/ South Hills 6-8	3	3	0
6/6/2019	CAPA 6-12	2	2	1
4/16/2019	Concord PreK-5	1	1	0
5/21/2019	Conroy	3	3	0
4/18/2019	Dilworth PreK-5	3	2	0
6/17/2019	Grandview K-5	4	4	3
6/20/2019	Greenway Classical-Gifted	1	1	0
6/19/2019 & 7/2/2019	Liberty K-5	1	2	1
5/1/2019 & 5/8/2019	Minadeo PreK-5	4	5	1
4/11/2019	Obama 6-12, ECC	2	2	0
6/25/2019 & 7/19/2019	Oliver	13	25	6
8/19/2019	Schiller 6-8	1	1	0
2/26/2019	Spring Garden ECC	2	5	2
7/2/2019	Student Achievement Center	3	3	1
6/18/2019	Whittier K-5	1	1	0

In the 19 schools/buildings re-tested; a total of 75 water samples were collected from 54 drinking water and cooking use fixtures and faucets.

The results of the water sample retesting indicate that **20 fixtures** retested continued to exhibit elevated lead concentrations above 15 ppb. The Administration Building and Oliver comprised **10** of the fixtures with elevated lead concentrations; **5** school buildings had a total of **10** fixtures with elevated lead concentrations above 15 ppb; **10** school buildings retested indicated no lead levels above 15 ppb.

Based on water sample testing, our professional opinion is that the sources of the elevated lead concentrations exceeding 15 ppb can be attributed to several key factors such as the lack of routine fixture use, fixtures not routinely cleaned, and/or older outdated fixtures. All 18 of the 19 fixtures with lead concentrations above 15 ppb were posted with “Handwash Only” signage. One (1) fixture at Allderdice High School was reportedly disconnected or removed.

5.0 RECOMMENDATIONS

Skelly and Loy, Inc. recommends that Pittsburgh Public Schools follow good drinking water practices and follows the guidelines established in the EPA’s “Lead in Drinking Water in Schools and Non-Residential Buildings, EPA 812-B-94-002,” April 1994 and “3Ts for Reducing Lead in Drinking Water in Schools: Revised Technical Guidance,” October 2018.

Based on the results of this retest water sampling report, our recommendations, related to these fixtures, are as follows:

1. All fixtures, with lead concentration at or above the recommended action limit of 15 ppb, are to be immediately shut off from use by the District. Remediate these fixtures when feasible.
2. Post “Handwash Only” signage stating that the non-filtered fixtures are to be used for only as a “non-drinking water source.”

Each school building will have its own unique short term and long control term measures to continue good drinking water practices. Some basic practices are as listed below:

Flush the pipes: Let the water run to bring in fresh water that has not been standing in the pipes. Do this over a night or weekend. Flushing times can vary based on the plumbing configuration. Recommendations for flushing the pipe should follow the directions provided by EPA’s “Lead in Drinking Water in Schools and Non-Residential Buildings, EPA 812-B-94-002,” April 1994 and “3Ts for Reducing Lead in Drinking Water in Schools: Revised Technical Guidance,” October 2018.

Cleaning of Aerators: Generate an aerator (screen) cleaning maintenance schedule that implements cleaning of any debris from all accessible aerators on a routine basis. Design replacement of aerators and installation new fixtures to improve water quality.

Flush water before drinking: Instruct the students and staff to run the water before drinking for a set amount of time before using. Also, the flushing of the water plumbing system should be implemented for any duration of longer than five days without normal water usage in the school to aide in the removal of any stagnant water in the school building.

REPORT DISCLAIMER:

This Skelly and Loy, Inc. report is based on information supplied by the client, occupants, and on conditions readily observable or measurable on the date or dates of this study. The results and recommendations presented herein should not be relied upon exclusively for the prevention of all possible illnesses, injuries, or losses. These services are a supplement to, and not a substitute for, the client's responsibility for protecting the health and safety of the occupants of the facility, and others, and for complying with applicable laws and regulations.

This report and the associated attachments and appendices have been produced and developed for, and at the request of, Pittsburgh Board of Public Education. It conveys the findings of Skelly and Loy, Inc. as of the date(s) noted herein. This report is intended for the exclusive use of Pittsburgh Board of Public Education, including its management, officers, and the School Board.

APPENDIX A

DRINKING WATER RESULTS TABLES

Administration Building

**Pittsburgh Public Schools Drinking Water Quality Initiative
Lead in Drinking Water Test
Recommendations for Response Actions**

Date: 7-8-19

Prepared by: Skelly and Loy, Inc.

Building: Administration Building

Address: 341 S. Bellefield Avenue, Pittsburgh, PA 15213

Total fixtures tested : 32

Total samples collected: 61

Fixture ID	Fixture Type	Location	Sample Date	First Draw Sample Result	Second Draw Sample Result	Sample Date	First Draw Sample Result (C)	Second Draw Sample Result (D)	Recommended Response Actions				
									1	2	3	4	5
									Shut Off Fixture	Post Signage	Remove or replace Aerator from faucet	Replace with New Sink Assembly or Remove Sink	Action Date
19-ADM-02-OF-37	Office faucet	260	7/2/2019	40.8	29.8	7/20/2019	20.0	26.9	X	X			
19-ADM-02-OF-47	Office faucet	215	7/2/2019	17.6	16.2	7/20/2019	14.2	13.5					
19-ADM-03-OF-58	Office faucet	353A	7/2/2019	20.5	5.53	7/20/2019	5.88						
19-ADM-04-OF-84	Office faucet	419	7/2/2019	68.5	35.6	7/20/2019	16.1	19.3	X	X			

* - Fixture found non-operational

- Total fixtures count typically includes drinking water bubbler/fountains/coolers, classroom faucets, office faucets, ice machines, service, water main.

Two samples are collected from each fixture, except from ice machines, service line and water main, where one sample is collected.

NA - Not applicable

Allderdice High School

**Pittsburgh Public Schools Drinking Water Quality Initiative
Lead in Drinking Water Test - Retest
Recommendations for Response Actions**

Date: 5-3-2019

Prepared by : Skelly and Loy, Inc.

School: Allderdice HS

Total fixtures tested[#] : 77

Total samples collected: 152

Address: 2409 Shady Ave, Pittsburgh, PA 15217

Fixture ID	Fixture Type	Location	Sample Date	First Draw Sample Result	Second Draw Sample Result	Retest Sample Date	Retest First Draw Sample Result	Second Draw Sample Result	Retest Sample Date	Retest First Draw Sample Result	Second Draw Sample Result	Recommended Response Actions			
												1	2	3	4
												Shut Off Fixture	Post Signage	Evaluate plumbing/fittings/valves/piping	Action Date
19-ALD-04-CF-291	Classroom Faucet	428	4/16/2019	16.2	<1.00	4/26/2019	86.9		5/1/2019	16.8		X	X		
19-ALD-03-CF-148	Classroom Faucet	301	4/16/2019	15.2	4.76	4/26/2019	10.0								

* - Fixture found non-operational

- Total fixtures count typically includes drinking water bubbler/fountains/coolers, classroom faucet, office faucets, ice machines, service, water main.

Two samples are collected from each fixture, except from ice machine, service and water main where one sample is collected.

NA - Not applicable

Allegheny K-5, 6-8

**Pittsburgh Public Schools Drinking Water Quality Initiative
Lead in Drinking Water Test
Recommendations for Response Actions**

Date: 5-8-19

Prepared by: Skelly and Loy, Inc.

School: Allegheny K-5 / 6-8

Address: 810 Arch Street, Pittsburgh, PA 15212

Total fixtures tested : 45

Total samples collected: 88

Fixture ID	Fixture Type	Location	Sample Date	First Draw Sample Result	Second Draw Sample Result	Retest Sample Date	Retest First Draw Sample Result	Retest Second Draw Sample Result	Recommended Response Actions					
									1	2	3	4	5	
									Shut Off Fixture	Post Signage	Remove or replace Aerator from faucet	Replace with New Sink Assembly or Remove Sink	Action Date	
19-AGL-01-CF-34	Classrom Faucet	105	5/4/2019	16.1	<1.00	5/15/2019	2.16							
19-AGL-03-WB-94	Water fountain bubbler	313	5/4/2019	6.26	372	5/15/2019	4.7	1.38						

* - Fixture found non-operational

- Total fixtures count typically includes drinking water bubbler/fountains/coolers, classroom faucets, office faucets, ice machines, service, water main.

Two samples are collected from each fixture, except from ice machines, service line and water main, where one sample is collected.

NA - Not applicable

Arsenal Pre-K-5, 6-8

**Pittsburgh Public Schools Drinking Water Quality Initiative
Lead in Drinking Water Test
Recommendations for Response Actions**

Date: 4-23-19

Prepared by: Skelly and Loy, Inc.

School: Arsenal PreK-5/6-8

Address: 215 39th Street, Pittsburgh, PA 15201

Total fixtures tested : 54

Total samples collected: 106

Fixture ID	Fixture Type	Location	Sample Date	First Draw Sample Result	Second Draw Sample Result	Retest Sample Date	Retest First Draw Sample Result	Retest Second Draw Sample Result	Recommended Response Actions				
									1	2	3	4	5
									Shut Off Fixture	Post Signage	Remove or replace Aerator from faucet	Replace with New Sink Assembly or Remove Sink	Action Date
ARS-GF-NF-17	Nurses Office Faucet	26B	4/17/2019	18.5	2.13	4/30/2019	8.62						
ARS-03-CF-120	Calsroom Faucet	302	4/17/2019	67.4	4.34	4/30/2019	7.3						

* - Fixture found non-operational

- Total fixtures count typically includes drinking water bubbler/fountains/coolers, classroom faucets, office faucets, ice machines, service, water main.

Two samples are collected from each fixture, except from ice machines, service line and water main, where one sample is collected.

NA - Not applicable

Brashear High School
South Hills 6-8

**Pittsburgh Public Schools Drinking Water Quality Initiative
Lead in Drinking Water Test - Retest
Recommendations for Response Actions**

Date: 5-3-2019

Prepared by : Skelly and Loy, Inc.

School: Brashear High School / South Hill 6-8

Address: 590 Crane Ave., Pittsburgh, PA 15216

Total fixtures tested #: 84

Total samples collected: 166

Fixture ID	Fixture Type	Location	Sample Date	First Draw Sample Result	Second Draw Sample Result	Retest Sample Date	Retest First Draw Sample Result	Retest Second Draw Sample Result	Recommended Response Actions			
									1	2	3	4
									Shut Off Fixture	Post Signage	Evaluate plumbing/fittings/valves/piping	Action Date
19-BRA-BS-CF-38	Classroom Faucet	G14A	4/27/2019	140	<1.00	5/4/2019	<1.00					
19-BRA-02-WC-186	Water fountain with cooler	263	4/27/2019	30.7	<1.00	5/4/2019	1					
19-BRA-03-CF-290	Classroom Faucet	344	4/27/2019	119.0	<1.00	5/4/2019	2.0					

* - Fixture found non-operational

- Total fixtures count typically includes drinking water bubbler/fountains/coolers, classroom faucet, office faucets, ice machines, service, water main.

Two samples are collected from each fixture, except from ice machines, service line and water main, where one sample is collected.

NA - Not applicable

CAPA 6-12

**Pittsburgh Public Schools Drinking Water Quality Initiative
Lead in Drinking Water Test
Recommendations for Response Actions**

Date: 6-10-19

Prepared by: Skelly and Loy, Inc.

School: CAPA

Address: 111 9th Street, Pittsburgh, PA 15222

Total fixtures tested : 61

Total samples collected: 119

Fixture ID	Fixture Type	Location	Sample Date	First Draw Sample Result	Second Draw Sample Result	Retest Sample Date	Retest First Draw Sample Result	Retest Second Draw Sample Result	Recommended Response Actions			
									1	2	3	4
									Shut Off Fixture	Post Signage	Replace with New Assembly or Remove	Action Date
19-CAP-06-CF-160	Classroom faucet	620	5/28/2019	33.6	<1.00	6/6/2019	6.28	<1.00				
19-CAP-06-CF-198	Classroom faucet	617	5/28/2019	35.1	1.28	6/6/2019	74.7	9.59	X	X		

* - Fixture found non-operational

- Total fixtures count typically includes drinking water bubbler/fountains/coolers, classroom faucets, office faucets, ice machines, service, water main.

Two samples are collected from each fixture, except from ice machines, service line and water main, where one sample is collected.

NA - Not applicable

Concord PreK-5

**Pittsburgh Public Schools Drinking Water Quality Initiative
Lead in Drinking Water Test
Recommendations for Response Actions**

Date: 4-11-2019

Prepared by Skelly and Loy, Inc.

School: Concord Pre K - 5

Address: 2350 Brownsville Road, Pittsburgh, PA 15210

Total fixtures tested : 35

Total samples collected: 68

Fixture ID	Fixture Type	Location	Sample Date	First Draw Sample Result	Second Draw Sample Result	Retest Sample Date	Retest First Draw Sample Result	Retest Second Draw Sample Result	Recommended Response Actions				
									1	2	3	4	5
									Shut Off Fixture	Post Signage	Remove or Replace Aerator from Faucet	Replace with New Sink Assembly or Remove Sink	Action Date
19-CON-01-WC-46	Water Fountain with Cooler	Room X104	4/6/2019	18.60	14.40	4/16/2019	<1.00						

- Total fixtures count typically includes drinking water bubbler/fountains/coolers, classroom faucets, office faucets, ice machines, service, water main.

Two samples are collected from each fixture, except from ice machine, service and water main where one sample is collected.

NA - Not applicable

Conroy

**Pittsburgh Public Schools Drinking Water Quality Initiative
Lead in Drinking Water Test
Recommendations for Response Actions**

Date: 6-16-19

Prepared by: Skelly and Loy, Inc.

School: Conroy Education Center

Address: 1398 Page Street, Pittsburgh, PA 15233

Total fixtures tested : 38

Total samples collected: 74

Fixture ID	Fixture Type	Location	Sample Date	First Draw Sample Result (A)	Second Draw Sample Result (B)	Retest Sample Date	Retest First Draw Sample Result (A)	Retest Second Draw Sample Result (B)	Recommended Response Actions				
									1	2	3	4	5
									Shut Off Fixture	Post Signage	Remove or replace Aerator from faucet	Replace with New Sink Assembly or Remove Sink	Action Date
19-CNY-01-KF-38	Kitchen Faucet	108	5/11/2019	20.2	<1.00	5/21/2019	1.77						
19-CNY-01-KF-43	Kitchen Faucet	107A	5/11/2019	39.3	<1.00	5/21/2019	2.1						
19-CNY-01-KF-44	Kitchen Faucet	107A	5/11/2019	62.3	<1.00	5/21/2019	<1.00						

* - Fixture found non-operational

- Total fixtures count typically includes drinking water bubbler/fountains/coolers, classroom faucets, office faucets, ice machines, service, water main.

Two samples are collected from each fixture, except from ice machines, the service line and water main where, one sample is collected.

NA - Not applicable

Dilworth PreK-5

**Pittsburgh Public Schools Drinking Water Quality Initiative
Lead in Drinking Water Test
Recommendations for Response Actions**

Date: 4-11-2019

Prepared by Skelly and Loy, Inc.

School: Dilworth Pre K - 5

Address: 6200 Stanton Avenue, Pittsburgh, PA 15206

Total fixtures tested : 31

Total samples collected: 60

Fixture ID	Fixture Type	Location	Sample Date	First Draw Sample Result (PPB)	Second Draw Sample Result (PPB)	Retest Sample Date	Retest First Draw Sample Result (PPB)	Retest Second Draw Sample Result (PPB)	Recommended Response Actions					
									1	2	3	4	5	
									Shut Off Fixture	Post Signage	Remove or Replace Aerator from Faucet	Replace with New Sink Assembly or Remove Sink	Action Date	
19-DIL-01-CF-36	Classroom Faucets	114-A	4/6/2019	16.1	1.74	4/18/2019	3.0							
19-DIL-02-CF-52	Classroom Faucets	202	4/6/2019	20.3	1.03	4/18/2019	<1.00							
19-DIL-02-CF-71	Classroom Faucets	214	4/6/2019	17.3	2.3	Signage Posted								

- Total fixtures count typically includes drinking water bubbler/fountains/coolers, classroom faucets, office faucets, ice machines, service, water main.

Two samples are collected from each fixture, except from ice machine, service and water main where one sample is collected.

NA - Not applicable

Grandview K-5

**Pittsburgh Public Schools Drinking Water Quality Initiative
Lead in Drinking Water Test - Retest
Recommendations for Response Actions**

Date: 6-19-2019

Prepared by : Skelly and Loy, Inc.

School: Grandview K-5

Address: 845 McLain Street, Pittsburgh, PA 15210

Total fixtures tested #: 40

Total samples collected: 78

Fixture ID	Fixture Type	Location	Sample Date	First Draw Sample Result	Second Draw Sample Result	Retest Sample Date	Retest First Draw Sample Result	Second Draw Sample Result	Recommended Response Actions			
									1 Shut Off Fixture	2 Post Signage	3 Evaluate plumbing/fittings/valves/piping	4 Action Date
19-GRD-01-CF-16	Classroom Faucet	Room 110	6/5/2019	18.2	4.06	6/15/2019	75.3		X	X		
19-GRD-01-CF-20	Classroom Faucet	Room 106	6/5/2019	274	3.75	6/15/2019	107		X	X		
19-GRD-01-WO-21	Water Fountain with cooler	Room 106	6/5/2019	21.5	2.35	Fixture Removed						
19-GRD-02-CF-52	Classroom Faucet	Room 218	6/5/2019	15.7	1.17	6/15/2019	23.8		X	X		
19-GRD-02-CF-67	Classroom Faucet	Room 219	6/5/2019	289.0	3.04	6/15/2019	4.40					

* - Fixture found non-operational

- Total fixtures counted typically includes drinking water bubbler/fountains/coolers, classroom faucet, office faucets, ice machines, service, water main.

Two samples are collected from each fixture, except from an ice machine, service and water main, where one sample is collected.

NA - Not applicable

Greenway (Classical-Gifted Center)

**Pittsburgh Public Schools Drinking Water Quality Initiative
Lead in Drinking Water Test
Recommendations for Response Actions**

Date: 6/13/19

Prepared by: Skelly and Loy, Inc.

School: Greenway Classical Academy

Address: 1400 Crucible St., Pittsburgh, PA 15205

Total fixtures tested : 67

Total samples collected: 132

Fixture ID	Fixture Type	Location	Sample Date	First Draw Sample Result	Second Draw Sample Result	Retest Sample Date	Retest First Draw Sample Result	Retest Second Draw Sample Result	Recommended Response Actions				
									1	2	3	4	5
									Shut Off Fixture	Post Signage	Remove or replace Aerator from faucet	Replace with New Assembly or Remove	Action Date
19-GNW-2.4-CF-86	Classroom faucets	Room 2.467	6/8/2019	349	<1.00	6/1/2019	2.56						

* - Fixture found non-operational

- Total fixtures count typically includes drinking water bubbler/fountains/coolers, classroom faucets, office faucets, ice machines, service, water main.

Two samples are collected from each fixture, except from ice machines, service line and water main, where one sample is collected.

NA - Not applicable

Liberty K-5

**Pittsburgh Public Schools Drinking Water Quality Initiative
Lead in Drinking Water Test - Retest
Recommendations for Response Actions**

Date: 7-3-2019

Prepared by : Skelly and Loy, Inc.

School: Liberty K-5

Total fixtures tested #: 33

Total samples collected: 64

Address: 601 Filbert St., Pittsburgh, PA 15232

Fixture ID	Fixture Type	Location	Sample Date	First Draw Sample Result	Second Draw Sample Result	Retest Sample Date	Retest First Draw Sample Result (C)	Retest 2 Sample Date	Retest First Draw Sample Result (D)	Recommended Response Actions			
										1	2	3	4
										Shut Off Fixture	Post Signage	Replace with new Assembly or Remove	Action Date
19-LIB-01-CF-29	Classroom Faucet	Room 107	6/5/2019	16.2	<1.00	6/19/2019	82.8	7/2/2019	31.9	X	X	X	

* - Fixture found non-operational

- Total fixtures count typically includes drinking water bubbler/fountains/coolers, classroom faucet, office faucets, ice machines, service, water main.

Two samples are collected from each fixture, except from ice machine, service line and water main, where one sample is collected.

NA - Not applicable

Minadeo PreK-5

**Pittsburgh Public Schools Drinking Water Quality Initiative
Lead in Drinking Water Test - Retest
Recommendations for Response Actions**

Date: 5-3-2019

Prepared by : Skelly and Loy, Inc.

School: Minadeo Pre K-5

Total fixtures tested # : 53

Total samples collected: 108

Address: 6502 Lilac Street, Pittsburgh, PA 15217

Fixture ID	Fixture Type	Location	Sample Date	First Draw Sample Result	Second Draw Sample Result	Retest Sample Date	Retest First Draw Sample Result	Retest Second Draw Sample Result	Retest Sample Date	Retest First Draw Sample Result	Retest Second Draw Sample Result	Recommended Response Actions					
												1	2	3	4		
												Shut Off Fixture	Post Signage	Evaluate plumbing/fittings/valves/piping	Action Date		
19-MIN-GF-TF-12	Teacher's Lounge Sink	032	4/18/2019	16.0	<1.00	4/30/2019	<1.00										
19-MIN-GF-CF-30	Classroom Faucet	027	4/18/2019	36.3	1.1	4/30/2019	13.7										
19-MIN-02-HF-59	Home Econ. Faucet	129	4/18/2019	20.1	1.07	4/30/2019	16.3		5/9/2019	4.86							
19-MIN-02-CF-72	Classroom Faucet	121	4/18/2019	20.2	<1.00	4/30/2019	4.62										

* - Fixture found non-operational

- Total fixtures count typically includes drinking water bubbler/fountains/coolers, classroom faucest, office faucets, ice machines, service, water main.

Two samples are collected from each fixture, except from ice machines, service line and water main, where one sample is collected.

NA - Not applicable

Obama 6-12, Early Childhood Center

**Pittsburgh Public Schools Drinking Water Quality Initiative
Lead in Drinking Water Test
Recommendations for Response Actions**

Date:4-4-2019

Prepared by Environmental Consultant Name: Skelly and Loy, Inc.

School: Obama 6-12-ECC

Address: 515 Highland Avenue, Pittsburgh, PA 15206

Total fixtures tested : 76

Total samples collected: 150

Fixture ID	Fixture Type	Location	Sample Date	First Draw Sample Result	Second Draw Sample Result	Retest Sample Date	Retest First Draw Sample Result	Retest Second Draw Sample Result	Recommended Response Actions					
									1	2	3	4	5	
									Shut Off Fixture	Post Signage	Remove or replace Aerator from faucet	Replace with New Sink Assembly or Remove Sink	Action Date	
19-OBA-01-KF-78	Kitchen Faucet	Room 138	3/30/2019	18.2	2.40	4/11/2019	<1.00							
19-OBA-01-KF-79	Kitchen Faucet	Room 138	3/30/2019	15.2	1.16	4/11/2019	<1.00							

- Total fixtures count typically includes drinking water bubbler/fountains/coolers, classroom faucets, office faucets, ice machines, service, water main.

Two samples are collected from each fixture, except from ice machine, service and water main where one sample is collected.

NA - Not applicable

Oliver

**Pittsburgh Public Schools Drinking Water Quality Initiative
Lead in Drinking Water Test - Retest
Recommendations for Response Actions**

Date: 7-1-2019

Prepared by : Skelly and Loy, Inc.

School: Oliver High School

Total fixtures tested #: 74

Address: 2323 Brighton Road, Pittsburgh, PA 15212

Total samples collected: 146

Fixture ID	Fixture Type	Location	Sample Date	First Draw Sample Result	Second Draw Sample Result	Retest Sample Date	Retest First Draw Sample Result	Sample Date	Retest Second Draw Sample Result	Retest First Draw Sample Result	Retest Second Draw Sample Result	Recommended Response Actions			
												1	2	3	4
												Shut Off Fixture	Post Signage	Evaluate plumbing/fittings/valves/piping	Action Date
19-OLI-GF-CF-41	Classroom faucets	G66	6/13/2019	110	15.6	6/25/2019	9.65	10.7	7/19/2019						
19-OLI-02-KF-43	Sink faucet (Culinary Arts-not in use)	202	6/13/2019	104	3.69	6/25/2019	31.1		7/19/2019	18.6		X	X		
19-OLI-GF-OF-59	Office sink faucets	G12	6/13/2019	31.3	6.85	6/25/2019	30.3		7/19/2019	19.6		X	X		
19-OLI-01-CF-130	Classroom faucets	152	6/13/2019	17.9	2.73	6/25/2019	11.2		7/19/2019						
19-OLI-01-CF-150	Classroom faucets	108A	6/13/2019	28.1	4.71	6/25/2019	14.5		7/19/2019						
19-OLI-01-CF-164	Classroom faucets	124	6/13/2019	16.9	3.42	6/25/2019	28.0		7/19/2019	97.8		X	X		
19-OLI-01-CF-185	Classroom faucets	124A	6/13/2019	21.2	3.14	6/25/2019	14.3		7/19/2019						
19-OLI-01-OF-218	Office sink faucets	121C	6/13/2019	81.6	9.64	6/25/2019	28.7		7/19/2019	8.96					
19-OLI-02-CF-224	Classroom faucets	253	6/13/2019	72.8	18.5	6/25/2019	54.6	15.6	7/19/2019	44.7	11.6	X	X		
19-OLI-02-MC-225	Sink Faucet(Culinary Arts - not in use)	200B	6/13/2019	66	55.5	6/25/2019	7.74	1.61	7/19/2019						
19-OLI-02-HF-230	Sink Faucet (Home economics - not in use)	203	6/13/2019	101	4.57	6/25/2019	148		7/19/2019	27.3		X	X		
19-OLI-02-KF-231	Sink faucet (Culinary Arts-not in use)	202	6/13/2019	36.6	7.56	6/25/2019	25.4		7/19/2019	17.4		X	X		
19-OLI-02-KF-237	Sink faucet (Culinary Arts-not in use)	202	6/13/2019	58.9	12.2	6/25/2019	24.1		7/19/2019	3.14					

* - Fixture found non-operational

- Total fixtures count typically includes drinking water bubbler/fountains/coolers, classroom faucets, office faucets, ice machines, service, water main.

Two samples are collected from each fixture, except from ice machines, service line and water main, where one sample is collected.

NA - Not applicable

Schiller 6-8

**Pittsburgh Public Schools Drinking Water Quality Initiative
Lead in Drinking Water Test
Recommendations for Response Actions**

Date: 8-16-19

Prepared by Environmental Consultant Name: Skelly and Loy, Inc.

School: Schiller 6-8

Address: 1018 Peralta Street, Pittsburgh, PA 15212

Total fixtures tested #: 23

Total samples collected: 44

Fixture ID	Fixture Type	Location	Sample Date	First Draw Sample Result	Second Draw Sample Result	Retest Sample Date	Retest First Draw Sample Result	Retest Second Draw Sample Result	Recommended Response Actions				
									1	2	3	4	5
									Shut Off Fixture	Post Signage	Remove or replace Aerator from faucet	Replace with New Sink Assembly or Remove Sink	Action Date
19-SCH-01-OF-39A	Office Faucet	Janitor Receiving 111	8/14/2019	65.0	1.72	8/17/2019	65.0	2.25	X	X			

* - Fixture found non-operational

- Total fixtures count typically includes drinking water bubbler/fountains/coolers, classroom faucets, office faucets, ice machines, service line and water main.

Two samples are collected from each fixture, except from ice machines, the service line and water main, where one sample is collected.

NA - Not applicable

Spring Garden Early Childhood Center

**Pittsburgh Public Schools Drinking Water Quality Initiative
Lead in Drinking Water Test - Retest
Recommendations for Response Actions**

Date: 2-26-19

Prepared by Environmental Consultant Name: Skelly and Loy, Inc.

School: Spring Garden Early Childhood Center

Address: 1501 Spring Garden Ave, Pittsburgh, PA 15212

Total fixtures tested: 19

Total samples collected: 36

Fixture ID	Fixture Type	Location	Sample Date	First Draw Sample Result	Second Draw Sample Result	Retest Sample Date	Retest First Draw Sample Result	Retest Second Draw Sample Result	Retest Sample Date	Retest First Draw Sample Result	Retest Second Draw Sample Result	Recommended Response Actions			
												1	2	3	4
												Shut Off Fixture	Post Signage	Evaluate plumbing/fittings/v alves/piping	Action Date
19-SPG-01-CF-06	Classroom Faucet	Room 110-A (Storage Rm)	2/16/2019	20.5	7.51	2/26/2019	34.7	NA	3/5/2019	21	<1.00	X	X		
19-SPG-02-CF-27	Classroom Faucet	Art Room 207	2/16/2019	69.1	25.5	2/26/2019	114	9.13	3/5/2019	77.4	2.91	X	X		

* - Fixture found non-operational

- Total fixtures count typically includes drinking water bubbler/fountains/coolers, classroom faucet, office faucets, ice machines, service, water main.

Two samples are collected from each fixture, except from ice machine, service and water main where one sample is collected.

NA - Not applicable

Student Achievement Center

**Pittsburgh Public Schools Drinking Water Quality Initiative
Lead in Drinking Water Test
Recommendations for Response Actions**

Date: 6-20-19

Prepared by: Skelly and Loy, Inc.

School: Student Achievement Center

Address: 925 Brushton Ave., Pittsburgh, PA 15208

Total fixtures tested : 25

Total samples collected: 48

Fixture ID	Fixture Type	Location	Sample Date	First Draw Sample Result (A)	Second Draw Sample Result (B)	First Draw Sample Result (C)	Recommended Response Actions				
							1	2	3	4	5
							Shut Off Fixture	Post Signage	Remove or replace Aerator from faucet	Replace with New Fixture Assembly or Remove Fixture	Action Date
19-SAC-BS-WB-12	Water bubbler	Pool Area 29	6/15/2019	31.0	10.1	17.4	X	X			
19-SAC-02-OF-34	Office Sink	Office 205	6/15/2019	15.6	7.14	4.83					
19-SAC-02-CF-36	Classroom Faucet	Classroom 203	6/15/2019	15.7	1.68	10.1					

* - Fixture found non-operational

- Total fixtures count typically includes drinking water bubbler/fountains/coolers, classroom faucets, office faucets, ice machines, service line and water main.

Two samples are collected from each fixture, except from ice machines, the service line and water main, where one sample is collected.

NA - Not applicable

Whittier K-5

**Pittsburgh Public Schools Drinking Water Quality Initiative
Lead in Drinking Water Test
Recommendations for Response Actions**

Date: 6/6/19

Prepared by: Skelly and Loy, Inc.

School: Whittier K-5

Address: 150 Meridan St, Pittsburgh, PA 15211

Total fixtures tested : 26

Total samples collected: 50

Fixture ID	Fixture Type	Location	Sample Date	First Draw Sample Result	Second Draw Sample Result	Retest Sample Date	Retest First Draw Sample Result	Retest Second Draw Sample Result	Recommended Response Actions				
									1 Shut Off Fixture	2 Post Signage	3 Remove or replace Aerator from faucet	4 Replace with New Assembly or Remove	5 Action Date
19-WHI-01-WB-32B	Water fountain (bubbler)	Storage Room 101A	6/1/2019	1.67	17.4	6/18/2019		<1.0					

* - Fixture found non-operational

- Total fixtures count typically includes drinking water bubbler/fountains/coolers, classroom faucets, office faucets, ice machines, service, water main.

Two samples are collected from each fixture, except from ice machines, service line and water main, where one sample is collected.

NA - Not applicable