

RETEST OF LEAD IN DRINKING WATER SAMPLING

of

Pittsburgh Public Schools

Survey Dates: August 8 – August 23, 2016

Prepared for:

Pittsburgh Public Schools
Facilities
1305 Muriel Street
Pittsburgh, Pennsylvania 15203

Prepared by:



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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 fixture that exceeded 20 parts per billion (ppb).

The additional retesting was conducted at 22 of the 32 school buildings from August 8 through August 21, 2016. The objective of the water sample retesting was to verify if proper corrective actions, such as replacing the sink faucet, would reduce the lead concentrations. 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 sinks designated in classrooms and offices.

In addition to the retesting of elevated faucet fixtures, a water sample was collected from the newly installed filtered water fountain/bottle filling stations with lead filters. 28 water samples were collected from 27 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 1.00 ppb.

2. SAMPLING METHODOLOGY

Water retest samples collected, delivered, and analyzed were conducted 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 2006. As per 3Ts, the EPA recommends that if lead is found in any water outlet at levels above 20 ppb, action be taken to reduce the lead. The purpose of this work is to help minimize exposure to students and staff to lead in drinking water. Lead in drinking water can be a localized problem and can vary from tap to tap. The EPA strongly recommends that all water outlets in all schools that provide water for drinking or cooking meet a standard of 20 ppb.

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 taken after the water in the plumbing lines had been standing in the plumbing system for greater than eight hours, but less than eighteen hours. (Each school building's water system was used the evening before the first-draw samples for proper water sampling protocol.)

If a second draw water sample was required, the water sample was collected after the water in the system was discharged for 30 seconds.

All samples were analyzed by RJ Lee, Inc., 350 Hochberg Road, Monroeville, Pennsylvania 15146, an independent Pennsylvania (PA) certified laboratory.

3. LEAD IN DRINKING WATER RESULTS AND DISCUSSION

Analytic results of the 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 2006. Lead concentrations above 20 ppb were considered to be elevated and 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 20 ppb.

Administration Building:

At Pittsburgh Administration Building, a total number of 88 water samples were collected from 43 drinking water and cooking use fixtures and faucets sampled on July 17, 2016. **Results of 14 water samples (ADM-01-OF-23, ADM-01-OF-24, ADM-01-OF-25, ADM-02-OF-37, ADM-02-OF-47, ADM-02-OF-50, ADM-02-OF-51, ADM-02-OF-52, ADM-03-OF-54, ADM-04-OF-68, ADM-04-OF-78, ADM-04-OF-79, ADM-04-OF-83, and ADM-04-OF-84)** were above the EPA lead in drinking water action level of 20 ppb.

21 retest water samples (ADM-01-OF-23, ADM-01-OF-24, ADM-01-OF-25, ADM-02-OF-37, ADM-02-OF-47, ADM-02-OF-50, ADM-02-OF-51, ADM-02-OF-52, ADM-03-OF-54, ADM-04-OF-68, ADM-04-OF-78, ADM-04-OF-79, ADM-04-OF-83, and ADM-04-OF-84) were collected on August 21, 2016. **Results of 13 water samples (ADM-01-OF-23, ADM-01-OF-25, ADM-02-OF-37, ADM-02-OF-50, ADM-02-OF-52, ADM-03-OF-54, ADM-04-OF-68, ADM-04-OF-78, ADM-04-OF-79, and ADM-04-OF-83)** were above the EPA lead in the drinking water action level of 20 ppb.

Allderdice High School:

At Allderdice High School, a total number of 154 water samples were collected from 76 drinking water and cooking use fixtures and faucets sampled on June 29, 2016. Of the 154 water samples collected, **results of 5 water samples (ALD-GF-WC-27, ALD-02-WC-91, ALD-03-CF-143, ALD-03-CF-149, and ALD-04-CF-289)** were above the EPA lead in drinking water action level of 20 ppb. These samples were resampled to verify the first and second draw results.

4 retest water samples (ALD-03-CF-143, ALD-03-CF-149, and ALD-04-CF-289) were collected on August 11, 2016. **Results of 3 water samples (ALD-03-CF-143 and ALD-03-CF-289)** were above the EPA lead in drinking water action level of 20 ppb.

Allegheny Annex:

At Pittsburgh Allegheny Annex, a total number of 16 water samples were collected from seven drinking water and cooking use fixtures and faucets sampled on July 6, 2016. Of the 16 water samples collected, **results of 3 samples (ALX-02-CF-16, ALX-03-CF-25, and ALX-BS-WB-32)** were above the EPA lead in drinking water action level of 20 ppb. These water samples were resampled to verify the first and second draw results.

2 retest water samples (ALX-02-CF-16 and ALX-03-CF-25) were recollected on August 11, 2016. No water sample results collected were above the EPA lead in drinking water action level of 20 ppb.

Allegheny K-5/6-8:

At Pittsburgh Allegheny K-5/6-8, a total number of 90 water samples were collected from 43 drinking water and cooking use fixtures and faucets sampled on June 22, 2016. Of the 94 water samples collected, **the result of 1 water sample (AGL-02-CF-49)** was above the EPA lead in drinking water action level of 20 ppb. This sample was resampled to verify the first and second draw results.

2 retest water sample (AGL-02-CF-49) was collected on August 11, 2016. No water sample results collected were above the EPA lead in drinking water action level.

Beechwood PreK-5:

At Pittsburgh Beechwood PreK-5, a total number of 60 water samples were collected from 29 drinking water and cooking use fixtures and faucets sampled on June 24, 2016. Of the 60 water samples collected, **the result of 1 water sample (BEE-01-CF-29)** was above the EPA lead in drinking water action level of 20 ppb.

A retest water sample (BEE-01-CF-29) was collected on August 9, 2016. The result of the water sample **(BEE-01-CF-29)** was above the EPA lead in drinking water action level.

Brashear High School/South Hills 6-8:

At Pittsburgh Brashear High School/South Hills 6-8, a total number of 190 water samples were collected from 94 drinking water and cooking use fixtures and faucets sampled on July 12, 2016. Of the 190 water samples collected, **results of 3 water samples (BRA-01-OF-104, BRA-03-CF-234, and BRA-03-HF-310)** were above the EPA lead in drinking water action level of 20 ppb. These samples were resampled to verify the first and second draw results.

3 retest water samples (BRA-01-OF-104, BRA-03-CF-234, and BRA-03-HF-310) were collected on August 9, 2016. Results of 1 water sample **(BRA-03-CF-234)** were above the EPA lead in drinking water action level.

CAPA 6-12:

At Pittsburgh CAPA 6-12, a total number of 114 water samples were collected from 56 drinking water and cooking use fixtures and faucets sampled on July 8, 2016. Of the 114 water samples collected, **the result of 1 water sample (CAP-01-KF-16)** was above the EPA lead in drinking water action level of 20 ppb. This water sample was resampled to verify the first and second draw results.

A retest water sample (CAP-01-KF-16) was collected on August 11, 2016. The result of the water sample was not above the EPA lead in drinking water action level.

Colfax K-8:

At Pittsburgh Colfax K-8, a total number of 108 water samples were collected from 53 drinking water and cooking use fixtures and faucets sampled on June 28, 2016. Of the 108 water samples collected, **results of 2 water samples (COL-02-CF-70 and COL-02-CF-71)**

were above the EPA lead in drinking water action level of 20 ppb. These water samples were resampled to verify the first and second draw results.

3 retest water samples (COL-02-CF-70 and COL-02-CF-71) were collected on August 11, 2016. Results of 2 water samples (**COL-02-CF-71**) were above the EPA lead in drinking water action level.

Concord PreK-5:

At Pittsburgh Concord PreK-5, a total number of 90 water samples were collected from 44 drinking water and cooking use fixtures and faucets sampled on June 16, 2016. Of the 90 water samples collected, **the results of 4 water samples (CON-01-CF-58, CON-01CF-65, CON-01-CF-66, and CON-02-MS-84)** were above the EPA lead in drinking water action level of 20 ppb.

4 retest water samples (CON-01-CF-58, CON-01CF-65, CON-01-CF-66, and CON-02-MS-84) were collected on August 10, 2016. Results of 1 water sample (**CON-02-MS-84**) were above the EPA lead in drinking water action level.

Conroy:

At Pittsburgh Conroy, a total number of 84 water samples were collected from 41 drinking water and cooking use fixtures and faucets sampled on June 15, 2016. Of the 84 water samples collected, **results of 2 water samples (CNY-GF-MS-04 and CNY-03-CF-100)** were above the EPA lead in drinking water action level of 20 ppb.

2 retest water samples (CNY-GF-MS-04 and CNY-03-CF-100) were collected on August 9, 2016. Results of 1 water sample (**CNY-GF-MS-04**) were above the EPA lead in drinking water action level.

Dilworth PreK-5:

At Pittsburgh Dilworth PreK-5, a total number of 66 water samples were collected from 32 drinking water and cooking use fixtures and faucets sampled on June 15, 2016. Of the 66 water samples collected, **the result of the 1 water sample (DIL-01-CF-32A)** was above the EPA lead in drinking water action level of 20 ppb.

A retest water sample (DIL-01-CF-32) was collected on August 10, 2016. The result of the water sample (**DIL-01-CF-32**) was above the EPA lead in drinking water action level of 20 ppb.

Fulton PreK-5:

At Pittsburgh Fulton PreK-5, a total number of 51 water samples were collected from 22 drinking water and cooking use fixtures and faucets sampled on June 23 and 28, 2016. Of the 51 water samples collected, **results of 2 water samples (FUL-BS-CF-02 and FUL-BS-MS-03)** were above the EPA lead in drinking water action level of 20 ppb. Samples FUL-BS-SL-00, FUL-BS-CF-01, and FUL-01-WO-23 were resampled to verify the first and second draw results.

2 retest water samples (FUL-BS-CF-02 and FUL-BS-MS-03) were collected on August 10, 2016. Results of 1 water sample (**FUL-BS-MS-03**) were above the EPA lead in drinking water action level of 20 ppb.

Grandview K-5:

At Pittsburgh Grandview K-5, a total number of 80 water samples were collected from 39 drinking water and cooking use fixtures and faucets sampled on June 30, 2016. Of the 80 water samples collected, **the result of the 1 water sample (GRD-BS-CF-70)** was above the EPA lead in drinking water action level of 20 ppb. This water sample was resampled to verify the first and second draw results.

A retest water sample (GRD-BS-CF-70) was collected on August 10, 2016. The result of the water sample collected was not above the EPA lead in drinking water action level of 20 ppb.

Liberty K-5:

At Pittsburgh Liberty K-5, a total number of 64 water samples were collected from 31 drinking water and cooking use fixtures and faucets sampled on June 28, 2016. Of the 64 water samples collected, **the result of the 1 water sample (LIB-01-CF-28)** was above the EPA lead in drinking water action level of 20 ppb. This water sample was resampled to verify the first and second draw results.

A retest water sample (**LIB-01-CF-26**) was collected on August 10, 2016. The result of the water sample collected was not above the EPA lead in drinking water action level of 20 ppb.

Mifflin PreK-8:

At Pittsburgh Mifflin PreK-8, a total number of 82 water samples were collected from 40 drinking water and cooking use fixtures and faucets sampled on June 23, 2016. Of the 82 water samples collected, **results of 3 water samples (MIL-02-CF-74, MIL-02-CF-75, and MIL-02-CF-87)** were above the EPA lead in drinking water action level of 20 ppb.

3 retest water samples (MIL-02-CF-74, MIL-02-CF-75, and MIL-02-CF-87) were collected on August 11, 2016. The result of the 1 water sample (**MF-02-CF-75**) was above the EPA lead in drinking water action level of 20 ppb.

Minadeo PreK-5:

At Pittsburgh Minadeo PreK-5, a total number of 114 water samples were collected from 56 drinking water and cooking use fixtures and faucets sampled on June 17, 2016. Of the 114 water samples collected, **results of 7 water samples (MIN-GF-CF-21, MIN-GF-29, MIN-GF-WB-34, MIN-02-CF-66, MIN-02-CF-67, MIN-02-CF-68 and MIN-02-WB-85)** collected were above the EPA lead in drinking water action level of 20 ppb.

5 retest water samples (MIN-GF-CF-21, MIN-GF-29, MIN-02-CF-66, MIN-02-CF-67, and MIN-02-CF-68) were collected on August 11, 2016. Results of 2 water samples (**MIN-GF-CF-21 and MIN-GF-CF-29**) were above the EPA lead in drinking water action level of 20 ppb.

Obama 6-12, ECC:

At Pittsburgh Obama 6-12, ECC, a total number of 136 water samples were collected from 67 drinking water and cooking use fixtures and faucets sampled on July 6, 2016. Of the 136 water samples collected, **results of 5 water samples (OBA-GF-WC-12, OBA-GF-WB-41, OBA-01-OF-58, OBA-01-WC-94, and OBA-02-CF-119)** were above the EPA lead in drinking water action level of 20 ppb. These samples were resampled to verify the first and second draw results.

2 retest water samples (OBA-01-OF-58 and OBA-02-OF-119) were collected on August 11, 2016. The result of the 1 water sample (**OBA-01-OF-58**) was above the EPA lead in drinking water recommended action level of 20 ppb.

Oliver:

At Pittsburgh Oliver, a total number of 172 water samples were collected from 85 drinking water and cooking use fixtures and faucets sampled on July 1, 2016. Of the 172 water samples collected, **results of 25 water samples (OLI-BS-WB-07, OLI-BS-WB-014, OLI-BS-WB-15, OLI-BS-WB-16, OLI-BS-WB-24, OLI-BS-WO-28, OLI-BS-WC-29, OLI-GF-OF-49, OLI-GF-MS-72, OLI-GF-CF-73, OLI-GF-CF-75, OLI-GF-CF-76, OLI-GF-CF-77, OLI-GF-KF-112, OLI-01-CF-185, OLI-01-CF-206, OLI-01-CF-207, OLI-02-HF-226, OLI-02-HF-227, OLI-02-HF-228, OLI-02-HF-229, OLI-02-KF-232, OLI-02-KF-233, OLI-02-OF-243, and OLI-02-OF-246)** were above the EPA lead in drinking water action level of 20 ppb. Several water samples were resampled to verify the first and second draw results.

18 retest water samples (OLI-GF-OF-49, OLI-GF-MS-72, OLI-GF-CF-73, OLI-GF-CF-75, OLI-GF-CF-76, OLI-GF-CF-77, OLI-GF-KF-112, OLI-01-CF-185, OLI-01-CF-206, OLI-01-CF-207, OLI-02-HF-226, OLI-02-HF-227, OLI-02-HF-228, OLI-02-HF-229, OLI-02-KF-232, OLI-02-KF-233, OLI-02-OF-243, and OLI-02-OF-246) were collected on August 9, 2016. **Results of 13 water samples (OLI-GF-MS-72, OLI-GF-CF-73, OLI-GF-CF-75, OLI-GF-CF-76, OLI-GF-CF-77, OLI-GF-KF-112, OLI-01-CF-206, OLI-01-CF-207, OLI-02-HF-226, OLI-02-HF-227, OLI-02-HF-228, OLI-02-KF-232, and OLI-02-OF-243)** were above the EPA lead in drinking water recommended action level of 20 ppb.

An additional retest water sample (OLI-GF-KF-112) was collected on August 23, 2016. The result of the water sample (**OLI-GF-KF-112**) was above the EPA lead in drinking water action level of 20 ppb.

Schiller 6-8:

At Pittsburgh Schiller 6-8, a total number of 46 water samples were collected from 22 drinking water and cooking use fixtures and faucets sampled on July 7, 2016. Of the 46 water samples collected, **results of 2 water samples (SCH-02-CF-24 and SCH-01-CF-47)** were above the EPA lead in drinking water action level of 20 ppb. These water samples were resampled to verify the first and second draw results.

A retest water sample (SCH-01-CF-47) was collected on August 11, 2016. The results of the 1 water sample (**SCH-01-CF-47**) was above the EPA lead in drinking water action level of 20 ppb.

Spring Hill K-5:

At Pittsburgh Spring Hill K-5, a total number of 40 water samples were collected from 19 drinking water and cooking use fixtures and faucets sampled on June 24, 2016. Of the 40 water samples collected, **results of 2 water samples (SRG-02-CF-35 and SRG-02-CF-39)** were above the EPA lead in drinking water action level of 20 ppb. These samples were resampled to verify the first and second draw results.

2 retest water samples (SRG-02-CF-35 and SRG-02-CF-39) were collected on August 11, 2016. No results collected were above the EPA lead in drinking water action level of 20 ppb.

Student Achievement Center:

At Pittsburgh Student Achievement Center, a total number of 54 water samples were collected from 26 drinking water and cooking use fixtures and faucets sampled on July, 8, 2016. Of the 54 water samples collected, **the result of 1 water sample (SAC-02-CF-43)** was above the EPA lead in drinking water action level of 20 ppb. This water sample was resampled to verify the first and second draw results.

A retest water sample (SAC-02-CF-43) was collected on August 11, 2016. The result of the water sample **(SAC-02-CF-43)** was above the EPA lead in drinking water action level of 20 ppb.

Woolslair K-5:

At Pittsburgh Woolslair K-5, a total number of 58 water samples were collected from 28 drinking water and cooking use fixtures and faucets sampled on June 21, 2016. Of the 58 water samples collected, **results of 3 water samples (WOL-01-OF-33, WOL-02-TF-45, and WOL-02-CF-46)** were above the EPA lead in drinking water action level of 20 ppb.

3 retest water samples (WOL-01-OF-33, WOL-02-TF-45, and WOL-02-CF-46) were collected on August 10, 2016. Results of 2 water samples **(WOL-01-OF-33 and WOL-02-TF-45)** were above the EPA lead in drinking water action level of 20 ppb.

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 20ppb.

| Retesting Date Sampled | School/Building | Total # of Fixtures Retested | # of Samples Retested | Retest samples above 20ppb |
|------------------------|-------------------------|------------------------------|-----------------------|----------------------------|
| 8/21/2016 | Administration Building | 15 | 21 | 13 |
| 8/11/2016 | Allderdice High School | 3 | 4 | 3 |
| 8/11/2016 | Allegheny Annex | 2 | 2 | 0 |

| Retesting Date Sampled | School/Building | Total # of Fixtures Retested | # of Samples Retested | Retest samples above 20ppb |
|------------------------|--|------------------------------|-----------------------|----------------------------|
| 8/11/2016 | Allegheny K-5/6-8 | 1 | 2 | 0 |
| 8/9/2016 | Beechwood PreK-5 | 1 | 1 | 1 |
| 8/9/2016 | Brashear High School/ South Hills 6-8 | 3 | 3 | 1 |
| 8/11/2016 | CAPA 6-12 | 1 | 1 | 0 |
| 8/11/2016 | Colfax K-8 | 2 | 3 | 2 |
| 8/10/2016 | Concord PreK-5 | 4 | 4 | 1 |
| 8/9/2016 | Conroy | 2 | 2 | 1 |
| 8/10/2016 | Dilworth PreK-5 | 1 | 1 | 1 |
| 8/10/2016 | Fulton PreK-5 | 2 | 3 | 1 |
| 8/10/2016 | Grandview K-5 | 1 | 1 | 0 |
| 8/10/2016 | Liberty K-5 | 1 | 1 | 0 |
| 8/11/2016 | Mifflin PreK-8 | 3 | 3 | 1 |
| 8/11/2016 | Minadeo PreK-5 | 5 | 5 | 2 |
| 8/10/2016 | Obama 6-12, ECC | 2 | 2 | 1 |
| 8/9/2016 | Oliver | 18 | 20 | 14 |
| 8/11/2016 | Schiller 6-8 | 1 | 1 | 1 |
| 8/11/2016 | Spring Hill K-5 | 2 | 2 | 0 |
| 8/11/2016 | Student Achievement Center | 1 | 1 | 1 |
| 8/10/2016 | Woolslair K-5 | 3 | 3 | 2 |
| | 22 | 74 | 86 | 46 |

22 schools/buildings were sampled. A total of 86 water samples were collected from 74 drinking water and cooking use fixtures and faucets.

The results of the water sample retesting indicate that **46 fixtures** retested still had elevated lead concentrations above 20 ppb. The Administration Building and Oliver comprised **27** of the fixtures with elevated lead concentrations above 20 ppb; 14 school buildings had a total of **19** fixtures with elevated lead concentrations above 20 ppb; and 6 school buildings no longer had any elevated lead levels above 20 ppb.

Based on water sample testing, our professional opinion is that the sources of the elevated lead concentrations exceeding 20 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. Following additional corrective actions conducted by the School District, supplemental verification sampling should be conducted to safeguard the lead concentrations in drinking water can be reduced below 20 ppb.

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 2006.

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 20 ppb, are to be immediately shut off from use by the District. Remediate these fixtures when feasible.
2. Post signage stating that the non-filtered fixtures are to be used for only as a "non-drinking water source."

Each school building will have has 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 2006.

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 TEST RESULTS TABLES

Administration Building

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

Date:8-24-16

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

School: Administration Building

Address: 341 South Bellefield Avenue, Pittsburgh, PA 15213

Total fixtures tested #: 43

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 |
| | | | | | | | | | Shut Off Fixture | Post Signage | Evaluate plumbing/fittings/valves/piping | Action Date |
| ADM-01-OF-23 | Office Sink Faucet | 121 | 7/17/2016 | 23.4 | 7.70 | 8/21/2016 | 23.3 | | X | X | | |
| ADM-01-OF-24 | Office Sink Faucet | 123 | 7/17/2016 | 41.7 | 4.84 | 8/21/2016 | 7.28 | | | | | |
| ADM-01-OF-25 | Office Sink Faucet | 126 | 7/17/2016 | 30.5 | 6.15 | 8/21/2016 | 54.6 | | X | X | | |
| ADM-02-OF-37 | Office Sink Faucet | 260 | 7/17/2016 | 19.3 | 26.4 | 8/21/2016 | 23.2 | | X | X | | |
| ADM-02-OF-47 | Office Sink Faucet | 215 | 7/17/2016 | 21.8 | 19.7 | 8/21/2016 | 16.8 | | | | | |
| ADM-02-OF-50 | Office Sink Faucet | 208 | 7/17/2016 | 30.5 | 21.2 | 8/21/2016 | 105 | 5.36 | X | X | | |
| ADM-02-OF-51 | Office Sink Faucet | 207 | 7/17/2016 | 21.5 | 4.98 | 8/21/2016 | 19.0 | | | | | |
| ADM-02-OF-52 | Office Sink Faucet | 201 | 7/17/2016 | 48.0 | 50.8 | 8/21/2016 | 30.9 | 24.5 | X | X | | |
| ADM-03-OF-54 | Office Sink Faucet | 361 | 7/17/2016 | 25.1 | 23.0 | 8/21/2016 | 19.6 | 23.2 | X | X | | |
| ADM-04-OF-68 | Office Sink Faucet | 467 | 7/17/2016 | 28.3 | 15.6 | 8/21/2016 | 27.5 | | | | | |
| ADM-04-OF-78 | Office Sink Faucet | 439 | 7/17/2016 | 38.0 | 36.8 | 8/21/2016 | 28.5 | 23.0 | X | X | | |
| ADM-04-OF-79 | Office Sink Faucet | 430 | 7/17/2016 | 43.1 | 48.4 | 8/21/2016 | 33.1 | 50.1 | X | X | | |
| ADM-04-OF-83 | Office Sink Faucet | 420 | 7/17/2016 | 36.7 | 27.3 | 8/21/2016 | 16.4 | 25.5 | X | X | | |
| ADM-04-OF-84 | Office Sink Faucet | 419 | 7/17/2016 | 23.1 | 21.2 | 8/21/2016 | 17.8 | 18.8 | | | | |

* - 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

Allderdice High School

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

Date:8-12-16

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

School:Allerdice High School

Address: 2409 Shady Avenue, Pittsburgh, PA 15217

Total fixtures tested #:76

Total samples collected:154

| 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/v alves/piping | Action Date |
| ALD-03-CF-143 | Classroom Faucet | 346 | 6/29/2016 | 36.3 | 21.4 | 8/11/2016 | 24.4 | 20.4 | X | X | | |
| ALD-03-CF-149 | Classroom Faucet | 303 | 6/29/2016 | 20.0 | 12.5 | 8/11/2016 | 14.2 | | | | | |
| ALD-04-CF-289 | Classroom Faucet | 427 | 6/29/2016 | 57.1 | 5.11 | 8/11/2016 | 40.3 | | X | X | | |

* - 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 machine, service and water main where one sample is collected.

NA - Not applicable

Allegheny Annex

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

Date:8-15-16

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

School: Allegheny Annex

Address: 811 Arch Street, Pittsburgh, PA 15212

Total fixtures tested #: 7

Total samples collected: 16

| 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 |
| ALX-02-CF-16 | Classroom faucet | 258 | 7/6/2016 | 24.9 | 2.68 | 8/11/2016 | 11.1 | | | | | |
| ALX-03-CF-25 | Classroom faucet | 360 | 7/6/2016 | 37.8 | 2.91 | 8/11/2016 | 13.8 | | | | | |
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* - 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 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 - Retest
Recommendations for Response Actions**

Date:8-15-16

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

School:Allegheny Prek5/6-8

Address: 810 Arch Street, Pittsburgh, PA 15212

Total fixtures tested #:47

Total samples collected:96

| 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 | | | |
|--------------|------------------|----------|-------------|--------------------------|---------------------------|--------------------|---------------------------------|----------------------------------|------------------------------|--------------|---|-------------|
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| | | | | | | | | | Shut Off Fixture | Post Signage | Evaluate plumbing/fittings/v alves/piping | Action Date |
| AGL-02-CF-49 | Classroom Faucet | 219 | 6/28/2016 | 46.0 | 11.8 | 8/11/2016 | 19.0 | 5.05 | | | | |
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* - 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 machine, service and water main where one sample is collected.

NA - Not applicable

Beechwood PreK-5

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

Date:8-12-16

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

School: Beechwood PreK-5

Address: 810 Rockland Avenue, Pittsburgh, PA 15216

Total fixtures tested # : 29

Total samples collected: 60

| 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/v alves/piping | Action Date |
| BEE-01-CF-29 | Classroom faucet | 109 | 6/24/2016 | 29.5 | 3.12 | 8/9/2016 | 20.4 | | X | X | | |
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* - 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 machine, service 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:8-12-16

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

School: Brashear High School/South Hills 6-8

Address: 590 Crane Avenue, Pittsburgh, PA 15216

Total fixtures tested #: 94

Total samples collected: 190

| 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/v alves/piping | Action Date |
| BRA-01-OF-104 | Office Sink Faucet | 128 | 7/12/2016 | 27.9 | 1.80 | 8/9/2016 | 7.36 | | | | | |
| BRA-03-CF-234 | Classroom Faucet | 371 | 7/12/2016 | 45.8 | 1.05 | 8/9/2016 | 35.0 | | X | X | | |
| BRA-03-HF-310 | Home Economics Faucet | 337 | 7/12/2016 | 23.6 | 1.80 | 8/9/2016 | 1.95 | | | | | |
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* - 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 machine, service 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 - Retest
Recommendations for Response Actions**

Date:8-15-16

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

School: CAPA 6-12

Address: 111 Ninth Street, Pittsburgh, PA 15222

Total fixtures tested # : 58

Total samples collected: 114

| 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 |
| CAP-01-KF-16 | Kitchen Faucet | Kitchen | 7/8/2016 | 32.7 | 1.18 | 8/11/2016 | 6.06 | | | | | |
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* - 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 machine, service and water main where one sample is collected.

NA - Not applicable

Colfax K-8

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

Date:8-120-16

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

School: Colfax PreK-8

Address: 2332 Beechwood Boulevard, Pittsburgh, PA 15217

Total fixtures tested #: 53

Total samples collected: 108

| 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/v alves/piping | Action Date |
| COL-02-CF-70 | Classroom faucet | 201 | 6/27/2016 | 37.1 | 7.01 | 8/11/2016 | 3.57 | | | | | |
| COL-02-CF-71 | Classroom faucet | 201 | 6/27/2016 | 99.4 | 68.2 | 8/11/2016 | 97.8 | 38.4 | X | X | | |
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* - 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 machine, service 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 - Retest
Recommendations for Response Actions**

Date:8-12-16

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

School: Concord

Address: 2350 Brownsville Road, Pittsburgh, PA 15210

Total fixtures tested #: 41

Total samples collected: 80

| 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 |
| CON-01-CF-58A | Classroom faucet | X118 | 6/16/2016 | 62.8 | 5.77 | 8/10/2016 | 14.4 | | | | | |
| CON-01-CF-65A | Classroom faucet | X120 | 6/16/2016 | 115.0 | 8.3 | 8/10/2016 | 3.73 | | | | | |
| CON -01-CF-66A | Classroom faucet | X120 | 6/16/2016 | 23.0 | 2.57 | 8/10/2016 | 5.55 | | | | | |
| CON-02-MS-84A | Miscellaneous sinks | X209 | 6/16/2016 | 48.9 | 9.4 | 8/10/2016 | 20.1 | | X | X | | |
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* - 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 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 - Retest
Recommendations for Response Actions**

Date:8-12-16

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

School: Conroy

Address: 1398 PageStreet, Pittsburgh, PA 15233

Total fixtures tested #: 40

Total samples collected: 82

| 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/pipings | Action Date |
| CCNY-GF--MS-4 | Miscellaneous Sinks | 20 | 6/15/2016 | 133 | 14.4 | 8/9/2016 | 44.1 | | X | X | | |
| CNY-03-CF-100A | Classroom faucet | 307A | 6/15/2016 | 20.1 | 2.4 | 8/9/2016 | 12.4 | | | | | |
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* - 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 machine, service 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 - Retest
Recommendations for Response Actions**

Date:8-12-16

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

School: Dilworth PreK-5

Address: 6200 Stanton Avenue, Pittsburgh, PA 15206

Total fixtures tested #: 32

Total samples collected: 66

| 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/v alves/piping | Action Date |
| DIL-01-CF-32 | Classroom Faucet | 102-A | 6/15/2016 | 32.0 | 1.22 | 8/10/2016 | 58.6 | | X | X | | |
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* - 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 machine, service and water main where one sample is collected.

NA - Not applicable

Fulton PreK-5

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

Date:8-12-16

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

School:Fulton PreK-5

Address: 5799 Hampton Street, Pittsburgh, PA 15206

Total fixtures tested #:22

Total samples collected:46

| 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/v alves/piping | Action Date |
| FUL-BS-CF-02 | Classroom Faucet | 6 | 6/23/2016 | 23.0 | 2.47 | 8/10/2016 | 22.2 | | X | X | | |
| FUL-BS-MS-03 | Miscellaneous Sink | 8 | 6/23/2016 | 36.1 | 30.2 | 8/10/2016 | 2.51 | | | | | |
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* - 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 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:8-15-16

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

School: Grandview PreK-5

Address: 1400 Crucible Street, Pittsburgh, PA 15210

Total fixtures tested #:39

Total samples collected:80

| 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 |
| GRD-BS-CF-70 | Classroom Faucet | Demountable D-02 | 6/28/2016 | 38.6 | 2.52 | 8/10/2016 | 3.89 | | | | | |
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* - 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

Liberty K-5

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

Date 8-15-16

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

School: Liberty PreK-5

Address: 601 Filbert Street, Pittsburgh, PA 15232

Total fixtures tested #: 31

Total samples collected: 64

| 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 |
| LIB-01-CF-28A | Classroom faucet | 106 | 6/27/2016 | 24.6 | 2.99 | 8/10/2016 | 7.01 | | | | | |
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* - 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 machine, service and water main where one sample is collected.

NA - Not applicable

Mifflin PreK-8

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

Date:8-12-16

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

School:Mifflin PreK-8

Address: 1290 Mifflin Road, Pittsburgh, PA 15207

Total fixtures tested #:46

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 |
| | | | | | | | | | Shut Off Fixture | Post Signage | Evaluate plumbing/fittings /valves/piping | Action Date |
| MIF-02-CF-74 | Classroom Faucet | 201 | 6/23/2016 | 30.2 | 2.94 | 8/11/2016 | 15.1 | | | | | |
| MIF-02-CF-75 | Classroom Faucet | 213 | 6/23/2016 | 21.0 | 1.62 | 8/11/2016 | 22.6 | | X | X | | |
| MIF-03-CF-87 | Classroom Faucet | 301 | 6/23/2016 | 20.6 | 11.3 | 8/11/2016 | 7.89 | | | | | |
| | | | | | | | | | | | | |

* - 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

Minadeo PreK-5

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

Date:8-15-16

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

School: Minadeo PreK-5

Address: 6502 Lilac Street, Pittsburgh, PA 15217

Total fixtures tested #: 56

Total samples collected: 114

| 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 |
| MIN-GF-CF-21 | Classroom faucet | 036 | 6/17/2016 | 147 | 11.3 | 8/11/2016 | 32.0 | | X | X | | |
| MIN-GF-CF-29 | Classroom faucet | 041 | 6/17/2016 | 20.4 | 3.13 | 8/11/2016 | 20.6 | | X | X | | |
| MIN-02-CF-66 | Classroom faucet | 127 | 6/17/2016 | 36.3 | 3.55 | 8/11/2016 | 9.95 | | | | | |
| MIN-02-CF-67 | Classroom faucet | 126 | 6/17/2016 | 34.0 | 3.24 | 8/11/2016 | 3.23 | | | | | |
| MIN-02-CF-68 | Classroom faucet | 120 | 6/17/2016 | 23.0 | 2.27 | 8/11/2016 | 3.61 | | | | | |
| | | | | | | | | | | | | |
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* - 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 machine, service 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 - Retest
Recommendations for Response Actions**

Date:8-12-16

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

School: Obama 6-12-ECC

Address: 525 Highland Avenue, Pittsburgh, PA 15206

Total fixtures tested #: 67

Total samples collected: 136

| 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 |
| OBA-01-OF-58 | Office sink faucet | 125 | 7/6/2016 | 32.6 | 3.04 | 8/10/2016 | 27.7 | | X | X | | |
| OBA-02-CF-119 | Classroom faucet | 236 | 7/6/2016 | 37.5 | 3.46 | 8/10/2016 | 10.7 | | | | | |
| | | | | | | | | | | | | |
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* - 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 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:8-12-16

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

School: Oliver School

Address: 2323Brighton Road, Pittsburgh, PA 15212

Total fixtures tested #:85

Total samples collected:172

| 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 |
| OLI-BS-MS-15 | Miscellaneous Sink | P48 | 7/1/2016 | 141 | 46.4 | 8/9/2016 | 11.6 | 2.31 | | | | |
| OLI-GF-MS-72 | Miscellaneous Sink | G19 | 7/1/2016 | 103.0 | 9.21 | 8/9/2016 | 114 | | X | X | | |
| OLI-GF-CF-73 | Classroom Faucet | G21 | 7/1/2016 | 58.9 | 10.2 | 8/9/2016 | 52.8 | | X | X | | |
| OLI-GF-CF-75 | Classroom Faucet | G18 | 7/1/2016 | 42.1 | 9.06 | 8/9/2016 | 29.4 | | X | X | | |
| OLI-GF-CF-76 | Classroom Faucet | G18 | 7/1/2016 | 41.5 | 8.10 | 8/9/2016 | 22.0 | | X | X | | |
| OLI-GF-CF-77 | Classroom Faucet | G18 | 7/1/2016 | 117 | 6.52 | 8/9/2016 | 28.2 | | X | X | | |
| OLI-GF-KF-112 | Kitchen Faucet | G30 | 7/1/2016 | 244 | 6.34 | 8/9/2016 | 63.5 | | X | X | | |
| OLI-01-CF-185 | Classroom Faucet | 124A | 7/1/2016 | 58.9 | 6.81 | 8/9/2016 | 19.9 | | | | | |
| OLI-01-CF-206 | Classroom Faucet | 126 | 7/1/2016 | 21.0 | 6.35 | 8/9/2016 | 24.4 | | X | X | | |
| OLI-01-CF-207 | Classroom Faucet | 126 | 7/1/2016 | 21.0 | 4.02 | 8/9/2016 | 24.8 | | X | X | | |
| OLI-02-HF-226 | Home Economics Faucet | 203 | 7/1/2016 | 11.2 | 27.7 | 8/9/2016 | 119 | | X | X | | |
| OLI-02-HF-227 | Home Economics Faucet | 203 | 7/1/2016 | 110.0 | 12.5 | 8/9/2016 | 53.9 | | X | X | | |
| OLI-02-HF-228 | Home Economics Faucet | 203 | 7/1/2016 | 53.6 | 9.90 | 8/9/2016 | 106 | | X | X | | |
| OLI-02-HF-229 | Home Economics Faucet | 203 | 7/1/2016 | 85.7 | 6.14 | 8/9/2016 | 16.0 | | | | | |
| OLI-02-KF-232 | Kitchen Faucet | 202 | 7/1/2016 | 36.3 | 6.67 | 8/9/2016 | 41.7 | | X | X | | |
| OLI-02-KF-233 | Kitchen Faucet | 202 | 7/1/2016 | 10.4 | 20.2 | 8/9/2016 | 5.26 | | | | | |
| OLI-02-OF-243 | Office Sink Faucet | 208 | 7/1/2016 | 30.7 | 5.86 | 8/9/2016 | 34.3 | | X | X | | |
| OLI-02-OF-246 | Office Sink Faucet | 209A | 7/1/2016 | 99.8 | 7.02 | 8/9/2016 | 11.9 | | | | | |

* - 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

Schiller 6-8

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

Date:8-15-16

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

School: Schiller 6-8

Address: 1018 Peralta Street, Pittsburgh, PA 15212

Total fixtures tested # : 22

Total samples collected: 46

| 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 |
| SCH-01-CF-47 | Classroom faucet | 123 | 7/7/2016 | 97.3 | 7.68 | 8/11/2016 | 20.3 | | 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 machine, service and water main where one sample is collected.

NA - Not applicable

Spring Hill K-5

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

Date:8-15-16

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

School: Spring Hill PreK-5

Address: 1351 Damas Street, Pittsburgh, PA 15212

Total fixtures tested #: 19

Total samples collected: 40

| 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 |
| SRG-02-CF-35 | Classroom faucet | 219 | 6/24/2016 | 36.4 | 3.57 | 8/11/2016 | 8.15 | | | | | |
| SRG-02-CF-39 | Classroom faucet | 210 | 6/24/2016 | 27.3 | 1.92 | 8/11/2016 | 19.0 | | | | | |
| | | | | | | | | | | | | |

* - 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 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 - Retest
Recommendations for Response Actions**

Date:8-12-16

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

School: Student Achivement Center

Address: 925 Brushton Avenue, Pittsburgh, PA 15208

Total fixtures tested #: 26

Total samples collected: 54

| 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 | Evaluation plumbing/fittings/v alves/piping | Action Date |
| SAC-02-CF-43 | Classroom Faucet | 210 | 7/8/2016 | 34.4 | 1.55 | 8/11/2016 | 25.6 | | X | X | | |
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* - 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 machine, service and water main where one sample is collected.

NA - Not applicable

Woolslair K-5

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

Date:8-12-16

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

School: Woosair PreK-5

Address: 501 40th Street, Pittsburgh, PA 15224

Total fixtures tested #: 30

Total samples collected: 58

| 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/v alves/piping | Action Date |
| WOL-01-OF-33 | Office Faucet | 104D | 6/17/2016 | 40.7 | 4.95 | 8/10/2016 | 51.4 | | X | X | | |
| WOL-02-TF-45 | Lounge Sink | 208 | 6/17/2016 | 22.3 | 9.75 | 8/10/2016 | 29.3 | | X | X | | |
| WOL-02-CF-46 | Classroom Faucet | 207A | 6/17/2016 | 40.8 | 18.3 | 8/10/2016 | 5.12 | | | | | |
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* - 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 machine, service and water main where one sample is collected.

NA - Not applicable