RETEST OF LEAD IN DRINKING WATER SAMPLING

of

Pittsburgh Public Schools
Drinking Water Quality Initiative 2022

Survey Dates: April 27 – September 30, 2022

Prepared for:

PITTSBURGH PUBLIC SCHOOLS
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1. INTRODUCTION

Skelly and Loy, a Terracon Company was retained by Pittsburgh Public Schools (PPS) 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 22 of the 33 school buildings from April 27 through September 30, 2022. 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.

The objective of the drinking water sampling and analytical testing was to screen the drinking water for lead concentrations from designated drinking water fountains; to include ceramic/porcelain fountains, water fountains with coolers, water fountains without coolers, and glass/bottle filler stations.

Additional fixtures were tested to include classroom faucets, field house sinks, home economics faucets, ice machines, kitchen faucets, multi-purpose room/cafeteria faucets, nurse’s office sink faucets, office sink faucets, teacher’s lounge faucets, miscellaneous sink faucets and water from the main service line supplying water to the building.

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 drinking water 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 period of 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 (PADEP Lab ID 02-00396 – NELAP).

3. LEAD IN DRINKING WATER RESULTS AND DISCUSSION

Analytic results of the retest water samples were received and reviewed by Skelly and Loy 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 response actions were recommended to reduce the lead concentrations in the faucet. Following mitigation of fixtures that exceeded the recommended lead concentration, retesting of the water was conducted to ensure the lead in drinking water was reduced below 15 ppb.

Administration Building:

At the PPS Administration Building, a total of 69 drinking water samples were collected from 36 drinking water and cooking use fixtures and faucets. The results of six (6) water samples collected: 22-ADM-02-WB-39A (water fountain), 22-ADM-02-WO-49A (water fountain), 22-ADM-02-OF-50A (office sink faucet), 22-ADM-02-OF-51A (office sink faucet), 22-ADM-02-OF-51B (office sink faucet), and 22-ADM-04-OF-69A (office sink
faucet) indicated lead concentrations above the lead in drinking water action level of 15 ppb.

One (1) drinking water and cooking use fixture: ADM-02-OF-50 (office sink faucet), was taken out of service or posted with “Handwash Only” signage.

Five (5) retest water samples: 22-ADM-02-WB-39C (water fountain), 22-ADM-02-WO-49C (water fountain), 22-ADM-02-OF-51C (office sink faucet), 22-ADM-02-OF-51D (office sink faucet), and ADM-04-OF-69C (office sink faucet) were collected on August 20, 2022.

The results of three (3) water samples: 22-ADM-02-WB-39C (water fountain), 22-ADM-02-OF-51D (office sink faucet), and ADM-04-OF-69C (office sink faucet) were below the EPA lead in drinking water action level of 15 ppb.

The results of two (2) water samples: 22-ADM-02-WO-49C (water fountain) and 22-ADM-02-OF-51C (office sink faucet) were above the EPA lead in drinking water action level of 15 ppb. These two fixtures were taken out of service or posted with “Handwash Only” signage.

Allderdice Field House:

At Pittsburgh Allderdice Field House, a total of 4 samples were collected from 3 drinking water and cooking use fixtures and faucets. The result of one (1) water sample collected: 22-AFH-01-MS-08A (miscellaneous sink) indicated a lead concentration above the lead in drinking water action level of 15 ppb. The faucet was replaced by PPS plumbers with a new fixture: AFH-01-MS-10.

Two (2) retest water samples: 22-AFH-01-MS-10A (miscellaneous sink) and 22-AFH-01-MS-10B (miscellaneous sink) were collected on May 13, 2022.

The results of two (2) water samples: 22-AFH-01-MS-10A (miscellaneous sink) and 22-AFH-01-MS-10B (miscellaneous sink were below the EPA lead in drinking water action level of 15 ppb.
Allderdice High School:

At Allderdice High School, a total of 150 samples were collected from 77 drinking water and cooking use fixtures and faucets. The results of seven (7) water samples collected: 22-ALD-01-OF-29A (office sink), 22-ALD-01-WB-48A (water fountain), 22-ALD-01-CF-51A (classroom faucet), 22-ALD-02-WO-122A (water fountain), 22-ALD-03-WO-141A (water fountain), 22-ALD-03-CF-148A (classroom faucet), and 22-ALD-04-HF-296A (home economics faucet) indicated lead concentrations above the lead in drinking water action level of 15 ppb.

Three (3) drinking and cooking use fixtures: ALD-01-WB-48 (water fountain), ALD-02-WO-122 (water fountain), and ALD-03-WO-141 (water fountain) were taken out of service or posted with “Handwash Only” signage.

Four (4) water samples: 22-ALD-01-OF-29C (office sink), 22-ALD-01-CF-51C (classroom faucet), 22-ALD-03-CF-148C (classroom faucet), and 22-ALD-04-HF-296C (home economics faucet) were collected on April 27, 2022.

The results of four (4) water samples: 22-ALD-01-OF-29C (office sink), 22-ALD-01-CF-51C (classroom faucet), 22-ALD-03-CF-148C (classroom faucet), and 22-ALD-04-HF-296C (home economics faucet) were below the EPA lead in drinking water action level of 15 ppb.

Allegheny Annex:

A total of 18 samples were collected from 10 drinking water and cooking use fixtures and faucets. The results of three (3) water samples collected: 22-ALX-03-CF-22A (classroom faucet), 22-ALX-02-CF-33A (classroom faucet), and 22-ALX-02-CF-33B (classroom faucet) indicated lead concentrations above the lead in drinking water action level of 15 ppb.

One (1) drinking water and cooking use fixture: ALX-03-CF-22 (classroom faucet) was taken out of service or posted with “Handwash Only” signage.
Two (2) water samples: 22-ALX-02-CF-33A (classroom faucet) and 22-ALX-02-CF-33B (classroom faucet) were collected on September 15, 2022.

The result of one (1) water sample: 22-ALX-02-CF-33B (classroom faucet) was below the EPA lead in drinking water action level of 15 ppb.

The result of one (1) water sample: 22-ALX-02-CF-33A (classroom faucet) was above the EPA lead in drinking water action level of 15 ppb.

One (1) water sample: 22-ALX-02-CF-33A (classroom faucet) was collected on November 3, 2022.

The result of one (1) water sample: 22-ALX-03-CF-33A (classroom faucet) was below the EPA lead in drinking water action level of 15 ppb.

Allegheny K-5/6-8:

No water retesting was required.

Arsenal PreK-5/6-8:

A total of 116 samples were collected from 59 drinking water and cooking use fixtures and faucets. The results of four (4) water samples collected: 22-ARS-03-CF-115A (classroom faucet), 22-ARS-03-CF-106A (classroom faucet), 22-ARS-03-CF-106B (classroom faucet) and 22-ARS-03-CF-107A (classroom faucet) indicated lead concentrations above the lead in drinking water action level of 15 ppb.

Four (4) retest water samples: 22-ARC-03-CF-115C (classroom faucet), 22-ARS-03-CF-106C (classroom faucet), 22-ARS-03-CF-106D (classroom faucet), and 22-ARS-03-CF-107C (classroom faucet) were collected on September 14, 2022.

The results of two (2) retest water samples: 22-ARS-03-CF-115C (classroom faucet) and 22-ARS-03-CF-106D (classroom faucet) were below the EPA lead in drinking water action level of 15 ppb.
The results of two (2) retest water samples: 22-ARS-03-CF-106C (classroom faucet) and 22-ARS-03-CF-107C (classroom faucet) were above the EPA lead in drinking water action level of 15 ppb. These two fixtures were taken out of service or posted with “Handwash Only” signage.

Beechwood PreK-5:

At Pittsburgh Beechwood PreK-5, a total of 68 water samples were collected from 36 drinking water and cooking use fixtures and faucets. The result of one (1) water sample collected: 22-BEE-BS-CF-05B (classroom faucet), indicated a lead concentration above the lead in drinking water action level of 15 ppb.

Two (2) retest water samples: 22-BEE-BS-CF-05C (classroom faucet) and 22-BEE-BS-CF-05D (classroom faucet) were collected on May 4, 2022.

The results of two (2) retest water samples: 22-BEE-BS-CF-05C (classroom faucet) and 22-BEE-BS-CF-05D (classroom faucet) were below the EPA lead in drinking water action level of 15 ppb.

Brashear High School/South Hills 6-8:

No water retesting was required.

CAPA 6-12:

No water retesting was required.

Carmalt PreK-8:

At Pittsburgh Carmalt PreK-8, a total of 81 water samples were collected from 41 drinking water and cooking use fixtures and faucets. The result of one (1) water sample collected: 22-CAR-02-TF-92A (teacher’s lounge faucet) indicated a lead concentration above the lead in drinking water action level of 15 ppb.
One (1) retest water sample: **22-CAR-02-TF-92C (teacher’s lounge faucet)** was collected on May 27, 2022.

The result of one (1) retest water sample: **22-CAR-02-TF-92C (teacher’s lounge faucet)** was below the EPA lead in drinking water action level of 15 ppb.

**Colfax K-8:**

At Pittsburgh Colfax K-8, a total of 100 samples were collected from 51 drinking water and cooking use fixtures and faucets. The results of ten (10) water samples collected: 22-COL-BS-CF-01A (classroom faucet), 22-COL-BS-CF-16A (classroom faucet), 22-COL-01-CF-20A (classroom faucet), and 22-COL-01-CF-20B (classroom faucet), 22-COL-01-CF-41A (classroom faucet), 22-COL-01-CF-42A (classroom faucet), 22-COL-02-CF-59A (classroom faucet), 22-COL-02-CF-60A (classroom faucet), 22-COL-02-CF-81B (classroom faucet), and 22-COL-03-CF-99A (classroom faucet) indicated lead concentrations above the lead in drinking water action level of 15 ppb.

Eleven (11) water retest samples: 22-COL-BS-CF-01A (classroom faucet), 22-COL-BS-CF-16A (classroom faucet), 22-COL-01-CF-20A (classroom faucet), and 22-COL-01-CF-20B (classroom faucet), 22-COL-01-CF-41A (classroom faucet), 22-COL-01-CF-42A (classroom faucet), 22-COL-02-CF-59A (classroom faucet), 22-COL-02-CF-60A (classroom faucet), 22-COL-02-CF-81A (classroom faucet), 22-COL-02-CF-81B (classroom faucet), and 22-COL-03-CF-99A (classroom faucet) were collected on September 29, 2022.

The results of eleven (11) water retest samples: 22-COL-BS-CF-01A (classroom faucet), 22-COL-BS-CF-16A (classroom faucet), 22-COL-01-CF-20A (classroom faucet), and 22-COL-01-CF-20B (classroom faucet), 22-COL-01-CF-41A (classroom faucet), 22-COL-01-CF-42A (classroom faucet), 22-COL-02-CF-59A (classroom faucet), 22-COL-02-CF-60A (classroom faucet), 22-COL-02-CF-81A (classroom faucet), 22-COL-02-CF-81B (classroom faucet), and 22-COL-03-CF-99A (classroom faucet) were below the EPA lead in drinking water action level of 15 ppb.
Concord PreK-5:

At Pittsburgh Concord PreK-5, a total of 70 samples were collected from 36 drinking water and cooking use fixtures and faucets. The result of one (1) water sample collected: 22-CON-02-CF-85A (classroom faucet), indicated a lead concentration above the lead in drinking water action level of 15 ppb.

One (1) drinking water and cooking use fixture: CON-02-CF-85 (classroom faucet) was taken out of service or posted with “Handwash Only” signage.

Conroy:

At Conroy Education Center, a total of 80 samples were collected from 41 drinking water and cooking use fixtures and faucets. The results of three (3) water samples collected: 22-CNY-03-CF-100A (classroom faucet), 22-CNY-GF-WO-122A (water fountain), and 22-CNY-GF-WO-123A (water fountain) indicated lead concentrations above the lead in drinking water action level of 15 ppb.

The two (2) drinking water fountains: CNY-GF-WO-122 (water fountain), and CNY-GF-WO-123 (water fountain) were taken out of service or posted with “Handwash Only” signage.

One (1) retest water sample: 22-CNY-03-CF-100C (classroom faucet) was collected on June 9, 2022.

The result of one (1) water retest sample: 22-CNY-03-CF-100C (classroom faucet) was above the EPA lead in drinking water action level of 15 ppb.

One (1) follow-up retest water sample: 22-CNY-03-CF-100E (classroom faucet) was collected on August 17, 2022.

The result of one (1) follow-up retest water sample: 22-CNY-03-CF-100E (classroom faucet) was above the EPA lead in drinking water action level of 15 ppb. The fixture was taken out of service or posted with “Handwash Only” signage.
Dilworth PreK-5:

No water retesting was required.

Fulton PreK-5:

At Pittsburgh Fulton PreK-5, a total of 38 samples were collected from 20 drinking water and cooking use fixtures and faucets. The results of three (3) water samples collected: 22-FUL-BS-MS-03A (miscellaneous sink), 22-FUL-BS-MS-03B (miscellaneous sink), and 22-FUL-02-CF-40A (classroom faucet), indicated lead concentrations above the lead in drinking water action level of 15 ppb.

One (1) drinking water and cooking use fixture: FUL-BS-MS-03 was taken out of service or posted with “Handwash Only” signage.

One (1) retest water sample: 22-FUL-02-CF-40A (classroom faucet) was collected on July 8, 2022.

The result of one (1) retest water sample: 22-FUL-02-CF-40A (classroom faucet) was above the EPA lead in drinking water action level of 15 ppb. The fixture was taken out of service or posted with “Handwash Only” signage.

Grandview K-5:

At Pittsburgh Grandview K-5, a total of 58 samples were collected from 30 drinking water and cooking use fixtures and faucets. The results of six (6) water samples collected: 22-GRD-01-CF-22A (classroom faucet), 22-GRD-01-CF-25A (classroom faucet), 22-GRD-01-CF-33A (classroom faucet), 22-GRD-01-CF-43A (classroom faucet), 22-GRD-01-CF-50A (classroom faucet), and 22-GRD-02-CF-77A (classroom faucet) indicated lead concentrations above the lead in drinking water action level of 15 ppb.
Six (6) retest water samples: 22-GRD-01-CF-22A (classroom faucet), 22-GRD-01-CF-25A (classroom faucet), 22-GRD-01-CF-33A (classroom faucet), 22-GRD-01-CF-43A (classroom faucet), 22-GRD-01-CF-50A (classroom faucet), and 22-GRD-02-CF-77A (classroom faucet) were collected September 16, 2022.

The result of four (4) water samples: 22-GRD-01-CF-25A (classroom faucet), 22-GRD-01-CF-33A (classroom faucet), 22-GRD-01-CF-43A (classroom faucet), and 22-GRD-02-CF-77A (classroom faucet) were below the EPA lead in drinking water action level of 15 ppb.

The results of two (2) water samples: 22-GRD-01-CF-22A (classroom faucet), and 22-GRD-01-CF-50A (classroom faucet) were above the EPA lead in drinking water action level of 15 ppb. These two fixtures were taken out of service or posted with “Handwash Only” signage.

Greenway (Classical-Gifted Center):

At Greenway Classical Gifted Center, a total of 138 samples were collected from 70 drinking water and cooking use fixtures and faucets. The results of three (3) water samples collected: 22-GNW-2.4-CF-78A (classroom faucet), 22-GNW-2.4-CF-78B (classroom faucet), and 22-GNW-1.1-CF-135B (classroom faucet) indicated lead concentrations above the lead in drinking water action level of 15 ppb.

Three (3) retest water samples: 22-GNW-2.4-CF-78A (classroom faucet), 22-GNW-2.4-CF-78B (classroom faucet), and 22-GNW-1.1-CF-135B (classroom faucet) were collected on September 30, 2022.

The result of three (3) retest water samples: 22-GNW-2.4-CF-78A (classroom faucet), 22-GNW-1.1-CF-135A (classroom faucet), and 22-GNW-1.1-CF-135B (classroom faucet) were below the EPA lead in drinking water action level of 15 ppb.

Langley Field House:

No water retesting was required.
Liberty K-5:

No water retesting was required.

Mifflin PreK-8:

At Pittsburgh Mifflin PreK-8, a total of 84 samples were collected from 43 drinking water and cooking use fixtures and faucets. The results of three (3) water samples collected: 22-MIF-GF-CF-14A (classroom faucet), 22-MIF-01-CF-88A (classroom faucet), and 22-MIF-01-CF-88B (classroom faucet) indicated lead concentrations above the lead in drinking water action level of 15 ppb.

Three (3) retest water samples: 22-MIF-GF-CF-14A (classroom faucet), 22-MIF-01-CF-88A (classroom faucet), and 22-MIF-01-CF-88B (classroom faucet) were collected June 15, 2022.

The result of one (1) retest water sample: 22-MIF-01-CF-88B (classroom faucet) was below the EPA lead in drinking water action level of 15 ppb.

The result of two (2) retest water sample: 22-MIF-GF-CF-14A (classroom faucet) and 22-MIF-01-CF-88A (classroom faucet) were above the EPA lead in drinking water action level of 15 ppb.

One (1) drinking water or cooking use fixture: MIF-GF-CF-14 (classroom faucet) was taken out of service or posted with “Handwash Only” signage.

One (1) follow-up retest water sample: 22-MIF-01-CF-88A (classroom faucet) was collected August 16, 2022.

The result of one (1) follow-up retest water sample: 22-MIF-01-CF-88A (classroom faucet) was above the EPA lead in drinking water action level of 15 ppb. The fixture was taken out of service or posted with “Handwash Only” signage.
Minadeo PreK-5:

No water retesting was required.

Obama 6-12, ECC:

At Pittsburgh Obama 6-12, ECC, a total of 157 samples were collected from 80 drinking water and cooking use fixtures and faucets. The results of nine (9) water samples collected: 22-OBA-GF-CF-11A (classroom faucet), 22-OBA-01-OF-51A (office sink faucet), 22-OBA-01-HF-63A (home economics faucet), 22-OBA-01-HF-66A (home economics faucet), 22-OBA-01-KF-76A (kitchen faucet), 22-OBA-01-CF-111A (classroom faucet), 22-OBA-01-KF-112A (kitchen faucet), 22-OBA-02-CF-119A (classroom faucet), and 22-OBA-03-CF-193A (classroom faucet) indicated lead concentrations above the lead in drinking water action level of 15 ppb.


The results of six (6) retest water samples: 22-OBA-GF-CF-11A (classroom faucet), 22-OBA-01-OF-51A (office sink faucet), 22-OBA-01-HF-63A (home economics faucet), 22-OBA-01-KF-76A (kitchen faucet), 22-OBA-01-CF-111A (classroom faucet), and 22-OBA-03-CF-193A (classroom faucet) were below the EPA lead in drinking water action level of 15 ppb.

The results of three (3) retest water samples: 22-OBA-01-HF-66A (home economics faucet), 22-OBA-01-KF-112A (kitchen faucet), 22-OBA-02-CF-119A (classroom faucet) were above the EPA lead in drinking water action level of 15 ppb. These three fixtures were taken out of service or posted with “Handwash Only” signage.
Oliver Field House:

No water retesting was required.

Oliver Citywide Academy:

At Pittsburgh Oliver, a total of 128 samples were collected from 65 drinking water and cooking use fixtures and faucets. The results of six (6) water samples collected: 22-OLI-BS-MS-15A (miscellaneous sink), 22-OLI-GF-CF-41A (classroom faucet), 22-OLI-GF-CF-41B (classroom faucet), 22-OLI-GF-OF-122A (office sink), 22-OLI-01-CF-130A (classroom faucet), and 22-OLI-GF-KF-128A (kitchen faucet), indicated lead concentrations above the lead in drinking water action level of 15 ppb.

Six (6) retest water samples: 22-OLI-BS-MS-15A (miscellaneous sink), 22-OLI-GF-CF-41A (classroom faucet), 22-OLI-GF-CF-41B (classroom faucet), 22-OLI-GF-OF-122A (office faucet), 22-OLI-GF-CF-130A (classroom faucet), and 22-OLI-GF-KF-128A (kitchen faucet) were collected September 15, 2022.

The results of five (5) retest water samples: 22-OLI-BS-MS-15A (miscellaneous sink), 22-OLI-GF-CF-41A (classroom faucet), 22-OLI-GF-CF-41B (classroom faucet), 22-OLI-GF-CF-130A (classroom faucet), and 22-OLI-GF-KF-128A (kitchen faucet) were below the EPA lead in drinking water action level of 15 ppb.

The result of one (1) retest water sample: 22-OLI-GF-OF-122A was above the EPA lead in drinking water action level of 15 ppb. The fixture was taken out of service or 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 of 42 water samples were collected from 22 drinking water and cooking use fixtures and faucets. The result of one (1) water sample collected: 22-SCH-01-OF-46A (office sink faucet), indicated a lead concentration above the lead in drinking water action level of 15 ppb.

One (1) retest water sample: 22-SCH-01-OF-46A (office sink faucet) was collected July 22, 2022.

The result of one (1) retest water sample: 22-SCH-01-OF-46A (office sink faucet) was 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 result of one (1) water sample collected: 22-SPG-01-CF-35A (classroom faucet), indicated a lead concentration above the lead in drinking water action level of 15 ppb.

One (1) retest water sample: 22-SPG-01-CF-35A (classroom faucet) was collected on May 4, 2022.

The result of one (1) water sample: 22-SPG-01-CF-35A (classroom faucet) was below the EPA lead in drinking water action level of 15 ppb.

Spring Hill K-5:

At Pittsburgh Spring Hill K-5, a total of 36 samples were collected from 19 drinking water and cooking use fixtures and faucets. The result of one (1) water sample collected: 22-SRG-02-CF-35A (classroom faucet), indicated a lead concentration above the lead in drinking water action level of 15 ppb.
One (1) retest water sample: **22-SRG-02-CF-35C (classroom faucet)** was collected July 8, 2022.

The result of one (1) retest water sample: **22-SRG-02-CF-35C (classroom faucet)** was below the EPA lead in drinking water action level of 15 ppb.

**Student Achievement Center:**

At Pittsburgh Student Achievement Center, a total of 48 water samples were collected from 25 drinking water and cooking use fixtures and faucets. The results of three (3) water samples collected: **22-SAC-02-CF-36A (classroom faucet)**, **22-SAC-02-CF-40A (classroom faucet)**, and **22-SAC-03-WC-54B (water fountain)** indicated lead concentrations above the lead in drinking water action level of 15 ppb.

One (1) drinking water or cooking use fixture: **SAC-02-CF-40** was taken out of service or posted with “**Handwash Only**” signage.

Two (2) retest water samples: **22-SAC-02-CF-36A (classroom faucet)** and **22-SAC-03-WC-54B (water fountain)** were collected on July 7, 2022.

The results of one (1) water sample: **22-SAC-03-WC-54D (water fountain)** was below the EPA lead in drinking water action level of 15 ppb.

The result of one (1) water sample: **22-SAC-02-CF-36C (classroom faucet)** was above the EPA lead in drinking water action level of 15 ppb.

One (1) follow-up retest water sample: **22-SAC-02-CF-36E (classroom faucet)** was collected September 23, 2022.

The result of one (1) follow-up retest water sample: **22-SAC-02-CF-36E (classroom faucet)** was below the EPA lead in drinking water action level of 15 ppb.
Westwood PreK-5:

At Pittsburgh Westwood PreK-5, a total of 62 samples were collected from 32 drinking water and cooking use fixtures and faucets. The result of one (1) water sample collected: 22-WWD-GF-CF-13A (classroom faucet), indicated a lead concentration above the lead in drinking water action level of 15 ppb.

One (1) retest water sample: **22-WWD-GF-CF-13A (classroom faucet)** was collected May 13, 2022.

The result of one (1) retest water sample: **22-WWD-GF-CF-13A (classroom faucet)** was below the EPA lead in drinking water action level of 15 ppb.

Whittier K-5:

At Pittsburgh Whittier K-5, a total of 48 samples were collected from 25 drinking water and cooking use fixtures and faucets. The results of two (2) water samples collected: 22-WHI-01-CF-29A (classroom faucet), and 22-WHI-01-CF-30A (classroom faucet), indicated lead concentrations above the lead in drinking water action level of 15 ppb.

Two (2) retest water samples: **22-WHI-01-CF-29A (classroom faucet)**, and **22-WHI-01-CF-30A (classroom faucet)** were collected July 7, 2022.

The result of one (1) retest water sample: **22-WHI-01-CF-29A (classroom faucet)** was below the EPA lead in drinking water action level of 15 ppb.

The result of one (1) retest water sample: **22-WHI-01-CF-30A (classroom faucet)** was above the EPA lead in drinking water action level of 15 ppb. The fixture was taken out of service or posted with “Handwash Only” signage.
Woolslair K-5:

At Pittsburgh Woolslair K-5 a total of 54 water samples were collected from 28 drinking water and cooking use fixtures and faucets. The result of one (1) water sample collected: 22-WOL-02-CF-34A (classroom faucet), indicated a lead concentration above the lead in drinking water action level of 15 ppb.

One (1) retest water sample: 22-WOL-02-CF-34A (classroom faucet) was collected May 27, 2022.

The result of one (1) retest water sample: 22-WOL-02-CF-34A (classroom faucet) was below the EPA lead in drinking water action level of 15 ppb.
4. BUILDING SUMMARY OF NUMBERS OF FIXTURES AND WATER SAMPLES RETESTED

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

<table>
<thead>
<tr>
<th>Retesting Date Sampled</th>
<th>School/Building</th>
<th>Total Number of Fixtures Retested</th>
<th>Number of Samples Retested</th>
<th>Retest samples above 15 ppb</th>
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<tbody>
<tr>
<td>8/20/2022</td>
<td>Administration Building</td>
<td>4</td>
<td>5</td>
<td>2</td>
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<tr>
<td>5/13/2022</td>
<td>Allderdice Field House</td>
<td>1</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>4/27/2022</td>
<td>Allderdice High School</td>
<td>4</td>
<td>4</td>
<td>0</td>
</tr>
<tr>
<td>9/15/2022 &amp; 11/3/2022</td>
<td>Allegheny Annex</td>
<td>1</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>9/14/2022</td>
<td>Arsenal PreK-5/6-8</td>
<td>3</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>5/4/2022</td>
<td>Beechwood PreK-5</td>
<td>1</td>
<td>2</td>
<td>0</td>
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<tr>
<td>5/27/2022</td>
<td>Carmalt PreK-8</td>
<td>1</td>
<td>1</td>
<td>0</td>
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<tr>
<td>9/29/2022</td>
<td>Colfax K-8</td>
<td>9</td>
<td>11</td>
<td>0</td>
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<tr>
<td>6/9/2022 &amp; 8/17/2022</td>
<td>Conroy</td>
<td>1</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>7/8/2022</td>
<td>Fulton PreK-5</td>
<td>1</td>
<td>1</td>
<td>1</td>
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<tr>
<td>9/16/2022</td>
<td>Grandview K-5</td>
<td>6</td>
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<td>2</td>
<td>3</td>
<td>0</td>
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<tr>
<td>6/15/2022 &amp; 8/16/2022</td>
<td>Mifflin PreK-8</td>
<td>2</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>4/28/2022</td>
<td>Obama 6-12, ECC</td>
<td>9</td>
<td>9</td>
<td>3</td>
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<td>Oliver</td>
<td>5</td>
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<td>1</td>
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<td>7/22/2022</td>
<td>Schiller 6-8</td>
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<td>0</td>
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<tr>
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<td>7/8/2022</td>
<td>Spring Hill K-5</td>
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<td>Woolslair K-5</td>
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</table>
In the 22 schools/buildings re-tested; a total of 73 water samples were collected from 59 drinking water and cooking use fixtures and faucets.

The results of the water sample retesting indicate that 15 fixtures retested continued to exhibit elevated lead concentrations above 15 ppb. The Administration Building comprised 2 of the fixtures with elevated lead concentrations; 8 school buildings had a total of 13 fixtures with elevated lead concentrations above 15 ppb; 13 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 15 of the fixtures with lead concentrations above 15 ppb were either taken out of service or posted with “Handwash Only” signage.

5. RECOMMENDATIONS


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

1. All fixtures, with lead concentrations at or above the recommended action limit of 15 ppb, are to be immediately shut off from use by the District. Replace 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 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. This report conveys the findings of Skelly and Loy 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
<table>
<thead>
<tr>
<th>Fixture ID</th>
<th>Fixture Symbol</th>
<th>Fixture Type</th>
<th>Plan Room Location</th>
<th>Sample Date</th>
<th>Sample Time</th>
<th>Retest First Draw (fixture assembly) (ppb)</th>
<th>Retest First Draw Lead Concentration (ppb)</th>
<th>Retest Second Draw (plumbing) (ppb)</th>
<th>Retest Second Draw Lead Concentration (ppb)</th>
<th>Sample Date</th>
<th>Sample Time</th>
<th>Retest First Draw (fixture assembly) (C)</th>
<th>Retest First Draw (plumbing) (D)</th>
<th>Retest Second Draw (plumbing) (D)</th>
<th>Retest Second Draw Lead Concentration (ppb)</th>
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<td>WB</td>
<td>Water fountain bubbler (Ceramic or Porcelain)</td>
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<td>P 5.65</td>
<td>8/20/2022 08:54</td>
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<td>P 10.3</td>
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<td>7/9/2022</td>
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<td>F 47.1</td>
<td>8/20/2022 08:59</td>
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<td>F 2.7</td>
<td>8/20/2022 09:04</td>
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</table>

P - Passed water sample results  
F - Failed water sample result  
N/A - Not Applicable
Allderdice Field House
<table>
<thead>
<tr>
<th>Fixture ID</th>
<th>Fixture Symbol</th>
<th>Fixture Type</th>
<th>Plan Room Location</th>
<th>Sample Date</th>
<th>Sample Time</th>
<th>First Draw Lead Concentration (ppb) (A)</th>
<th>Second Draw Lead Concentration (ppb) (B)</th>
<th>First Draw (plumbing)</th>
<th>Sample Date</th>
<th>Sample Time</th>
<th>Second Draw Lead Concentration (ppb) (A)</th>
<th>Second Draw (plumbing)</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Miscellaneous Fixture</td>
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<td>Miscellaneous Fixture</td>
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P - Passed water sample result
F - Failed water sample result
N/A - Not Applicable
Allderdice High School
## Lead in Drinking Water Sample Results - Re-Test
### Pittsburgh Allderdice High School
#### Drinking Water Quality Initiative 2022

<table>
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<tr>
<th>Fixture ID</th>
<th>Fixture Symbol</th>
<th>Fixture Type</th>
<th>Plan Room Location</th>
<th>Sample Date</th>
<th>Sample Time</th>
<th>First Draw (fixture assembly) (C)</th>
<th>First Draw Lead Concentration (ppb)</th>
<th>Second Draw Lead Concentration (ppb)</th>
<th>Sample Date</th>
<th>Sample Time</th>
<th>First Draw (plumbing) (D)</th>
<th>First Draw Lead Concentration (ppb)</th>
<th>Second Draw (plumbing) (D)</th>
<th>Second Draw Lead Concentration (ppb)</th>
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<td>4/12/2022</td>
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<td>P</td>
<td>&lt; 1.00</td>
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<tr>
<td>22-ALD-01-WB-48</td>
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<td>24.9</td>
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<td>56.6</td>
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<td>17.3</td>
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**P** - Passed water sample results  
**F** - Failed water sample result  
**N/A** - Not Applicable
### Lead in Drinking Water Sample Results

**Drinking Water Quality Initiative 2022**

**Pittsburgh Allegheny Annex**

<table>
<thead>
<tr>
<th>Fixture ID</th>
<th>Symbol</th>
<th>Fixture Type</th>
<th>Plan Room Location</th>
<th>Sample Date</th>
<th>Sample Time</th>
<th>First Draw (fixture assembly) (A)</th>
<th>First Draw Lead Concentration (ppb)</th>
<th>Second Draw (plumbing) (B)</th>
<th>Second Draw Lead Concentration (ppb)</th>
<th>Sample Date</th>
<th>Sample Time</th>
<th>First Draw (fixture assembly) (A)</th>
<th>First Draw Lead Concentration (ppb)</th>
<th>Second Draw (plumbing) (B)</th>
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- **P** - Passed water sample result
- **F** - Failed water sample result
- **N/A** - Not Applicable
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<th>Sample Date</th>
<th>Sample Time</th>
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<th>Second Draw Lead Concentration (ppb)</th>
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<th>Fixture Type</th>
<th>Plan Room Location</th>
<th>Sample Date</th>
<th>Sample Time</th>
<th>First Draw Lead Concentration (ppb)</th>
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<th>First Draw Lead Concentration (ppb)</th>
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P - Passed water sample result  
F - Failed water sample result  
N/A - Not Applicable
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<th>Fixture ID</th>
<th>Fixture Symbol</th>
<th>Fixture Type</th>
<th>Sample Date</th>
<th>Sample Time</th>
<th>First Draw (fixture assembly)</th>
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<th>Sample Time</th>
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P - Passed water sample result
F - Failed water sample result
N/A - Not Applicable
Colfax K-8
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P - Failed water sample result  
N/A - Not Applicable
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N/A - Not Applicable
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N/A - Not Applicable
Greenway (Classical-Gifted Center)
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- **P** - Passed water sample result
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N/A - Not Applicable
# Lead in Drinking Water Sample Results

## Drinking Water Quality Initiative 2022

**School:** Pittsburgh Obama

**Address:** 515 North Highland Ave, Pittsburgh, PA, 15206

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<th>Fixture Type</th>
<th>Plan Room Location</th>
<th>Sample Date</th>
<th>Sample Time</th>
<th>First Draw (fixture assembly) (A)</th>
<th>First Draw Lead Concentration (ppb)</th>
<th>Second Draw (plumbing) (B)</th>
<th>Second Draw Lead Concentration (ppb)</th>
<th>Sample Date</th>
<th>Sample Time</th>
<th>First Draw (fixture assembly) (A)</th>
<th>First Draw Lead Concentration (ppb)</th>
<th>Second Draw (plumbing) (B)</th>
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<tbody>
<tr>
<td>22-OLI-BS-MS-15</td>
<td>MS</td>
<td>Miscellaneous sinks</td>
<td>P26</td>
<td>8/19/2022</td>
<td>08:33</td>
<td>F</td>
<td>35.1</td>
<td>P</td>
<td>5.2</td>
<td>9/15/2022</td>
<td>06:23</td>
<td>P</td>
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<tr>
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<td>G66</td>
<td>8/19/2022</td>
<td>09:05</td>
<td>F</td>
<td>P19P</td>
<td>P</td>
<td>205</td>
<td>9/15/2022</td>
<td>06:36</td>
<td>P</td>
<td>12.4</td>
<td>P</td>
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<td>22-OLI-GF-OF-122</td>
<td>OF</td>
<td>Office sink faucets</td>
<td>G58</td>
<td>8/19/2022</td>
<td>10:08</td>
<td>F</td>
<td>19.5</td>
<td>P</td>
<td>6.1</td>
<td>9/15/2022</td>
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<td>16.4</td>
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<td>22-OLI-GF-KF-128</td>
<td>KF</td>
<td>Kitchen faucets</td>
<td>G17</td>
<td>8/19/2022</td>
<td>10:33</td>
<td>F</td>
<td>15.5</td>
<td>P</td>
<td>2.68</td>
<td>9/15/2022</td>
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<td>22-OLI-01-CF-130</td>
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<td>152</td>
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P - Passed water sample result
F - Failed water sample result
N/A - Not Applicable
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<th>Sample Date</th>
<th>Sample Time</th>
<th>First Draw Lead Concentration (ppb)</th>
<th>Second Draw Lead Concentration (ppb)</th>
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<td>22-SCH-01-OF-46</td>
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<td>P 16.3</td>
<td>P 3.36</td>
<td>7/22/2022</td>
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<td>P 9.49</td>
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P - Passed water sample result
F - Failed water sample result
N/A - Not Applicable
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<th>Sample Time</th>
<th>First Draw (fixture assembly)</th>
<th>Second Draw (plumbing)</th>
<th>Second Draw Lead Concentration (ppb)</th>
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<th>Sample Time</th>
<th>First Draw (fixture assembly)</th>
<th>Second Draw (plumbing)</th>
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<td>22-SPG-01-CF-35</td>
<td>CF</td>
<td>Classroom faucets</td>
<td>Demountable Classroom</td>
<td>4/19/2022</td>
<td>7:12</td>
<td>F 52.4</td>
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P - Passed water sample result  
F - Failed water sample result  
N/A - Not Applicable
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<th>Second Draw Lead Concentration (ppb)</th>
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<th>Sample Time</th>
<th>First Draw (fixture assembly) (A)</th>
<th>Second Draw (plumbing) (B)</th>
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<th>Second Draw Lead Concentration (ppb)</th>
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<td>219</td>
<td>6/3/2022</td>
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<td>F</td>
<td>P</td>
<td>107</td>
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<td>7/8/2022</td>
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P - Passed water sample result  
F - Failed water sample result  
N/A - Not Applicable
Student Achievement Center
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<th>Sample Time</th>
<th>First Draw (fixture assembly) (A)</th>
<th>First Draw Lead Concentration (ppb)</th>
<th>Second Draw (plumbing) (B)</th>
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<th>Sample Time</th>
<th>First Draw (fixture assembly) (A)</th>
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<tbody>
<tr>
<td>22-SAC-02-CF-36</td>
<td>CF</td>
<td>Classroom faucets</td>
<td>203</td>
<td>6/14/2022</td>
<td>06:42 F</td>
<td>15.6 F</td>
<td>3.16</td>
<td>7/17/2022</td>
<td>8.20</td>
<td>F</td>
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<td>137 F</td>
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<td>22-SAC-03-WC-54</td>
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<td>Water fountain with cooler</td>
<td>332</td>
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<td>06:52 F</td>
<td>15.6 F</td>
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<td>8.20</td>
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P - Passed water sample result
F - Failed water sample result
N/A - Not Applicable
### Lead in Drinking Water Sample Results
#### Drinking Water Quality Initiative 2022

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<th>Plan Room Location</th>
<th>Sample Date</th>
<th>Sample Time</th>
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<th>Second Draw (plumbing) (B)</th>
<th>Second Draw Lead Concentration (ppb)</th>
<th>Sample Date</th>
<th>Sample Time</th>
<th>First Draw (fixture assembly) (A)</th>
<th>First Draw Lead Concentration (ppb)</th>
<th>Second Draw (plumbing) (B)</th>
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<tbody>
<tr>
<td>WWD-GF-CF-13</td>
<td>CF</td>
<td>Classroom faucets</td>
<td>104</td>
<td>4/26/2022</td>
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- **P** - Passed water sample result
- **F** - Failed water sample result
- **N/A** - Not Applicable
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<th>Fixture ID</th>
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<th>Plan Room Location</th>
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<th>First Draw Lead Concentration (ppb)</th>
<th>Second Draw (plumbing) (B)</th>
<th>Second Draw Lead Concentration (ppb)</th>
<th>Sample Date</th>
<th>Sample Time</th>
<th>First Draw (fixture assembly) (A)</th>
<th>First Draw Lead Concentration (ppb)</th>
<th>Second Draw (plumbing) (B)</th>
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<td>CF</td>
<td>Classroom faucets</td>
<td>102</td>
<td>6/7/2022</td>
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<td>19.6</td>
<td>P</td>
<td>2.75</td>
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P - Passed water sample result  
F - Failed water sample result  
N/A - Not Applicable
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<th>Sample Time</th>
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<th>Second Draw Lead Concentration (ppb)</th>
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<tbody>
<tr>
<td>22-WOL-02-CF-34</td>
<td>CF</td>
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<td>201B</td>
<td>5/12/2022</td>
<td>07:12</td>
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<td>P 2.97</td>
<td>5/27/2022 7:30</td>
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</table>

P - Passed water sample result
F - Failed water sample result
N/A - Not Applicable
APPENDIX B
LABORATORY RESULTS
Administration Building
**LABORATORY REPORT**

**Skelly and Loy, Inc., A Terracon Company**
3280 William Pitt Way
Pittsburgh, PA 15238

Attn: Dan Davis
Phone: 412-828-1412
Email: DDavis@SkellyLoy.com

---

**Report Qualifiers (Q):**
- **P**: PA-DEP Accredited (PA DEP Lab ID 02-00396, NELAP)
- **N**: NY ELAP Accredited (NY ELAP Lab Code 10884)
- **E**: Value above highest calibration standard
- **L**: LCS (Laboratory Control Standard)/SRM (Standard Reference Material) recovery
- **R**: RPD (relative percent difference) outside accepted limits
- **D**: RL (reporting limit verification) outside accepted limits
- **H**: Holding times for preparation or analysis exceeded
- **N**: Not Provided

---

**Client Sample ID** | **RJ Lee Group ID** | **Sampling Date and Time** | **Preparation/Analysis** | **Analyte** | **Matrix** | **Sample Concentration Total µg/L (PPB)** | **Minimum Reporting Limit µg/L (PPB)** | **Analysis Date** | **Q**
---|---|---|---|---|---|---|---|---|---
22-ADM-02-WB-39C | PA220820220013-001 | 08/20/2022, 08:54 AM | EPA 200.8 | Lead | Drinking Water | 10.9 | 1.00 | 8/23/2022 | PN
22-ADM-02-WO-49C | PA220820220013-002 | 08/20/2022, 08:57 AM | EPA 200.8 | Lead | Drinking Water | 22.5 | 1.00 | 8/23/2022 | PN
22-ADM-02-OF-51C | PA220820220013-003 | 08/20/2022, 08:59 AM | EPA 200.8 | Lead | Drinking Water | 22.8 | 1.00 | 8/23/2022 | PN
22-ADM-02-OF-51D | PA220820220013-004 | 08/20/2022, 08:59 AM | EPA 200.8 | Lead | Drinking Water | 14.9 | 1.00 | 8/23/2022 | PN
22-ADM-04-OF-69C | PA220820220013-005 | 08/20/2022, 09:04 AM | EPA 200.8 | Lead | Drinking Water | 11.8 | 1.00 | 8/23/2022 | PN

---

**Analyst Comments:**

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**These results are submitted pursuant to RJ Lee Group’s current terms and conditions of sale, including the company’s standard warranty and limitation of liability provisions. No responsibility or liability is assumed for the manner in which the results are used or interpreted. Unless notified in writing to return the samples covered by this report, RJ Lee Group will store the samples for a period of thirty (30) days before discarding. A shipping and handling fee will be assessed for the return of any samples.**

---

**This laboratory operates in accord with ISO 17025:2017 guidelines, and holds a limited scope of accreditations under different accrediting agencies; refer to http://www.rjg.com/about-us/accreditations/ for more information and current status. This report may not be used to claim product endorsement by any laboratory accrediting agency. The results contained in this report relate only to the items tested or to the sample(s) as received by the laboratory. Any reproduction of this document must be in full for the report to be valid. Unless otherwise noted (either in the comments section of the report and/or with the appropriate qualifiers under the report qualiﬁers (Q) column) the following apply: (a) Samples were received in good condition, (b) All QC samples are within acceptable established limits, (c) All samples designated as NELAP meet the requirements of the NELAC standard; if not applicable qualiﬁers will be used to designate the non-compliance and (d) Results have not been blank corrected. Quality Control data is available upon request.**

---

**Philip Grindle**  
Laboratory Supervisor
## LABORATORY REPORT

**Attn:** Dan Davis  
**Phone:** 412-828-1412  
**Email:** DDavis@SkellyLoy.com

### Client Sample ID | RJ Lee Group ID | Sampling Date and Time | Preparation/Analysis | Analyte | Matrix | Sample Concentration Total µg/L (PPB) | Minimum Reporting Limit µg/L (PPB) | Analysis Date | Q  
--- | --- | --- | --- | --- | --- | --- | --- | --- | ---  
22-AFH-MS-10A | PA130520220019-001 | 05/13/2022, 08:03 AM | EPA 200.8 | Lead | Drinking Water | 3.14 | 1.00 | 5/17/2022 | PN  
22-AFH-MS-10B | PA130520220019-002 | 05/13/2022, 08:03 AM | EPA 200.8 | Lead | Drinking Water | 1.63 | 1.00 | 5/17/2022 | PN

**Analyst Comments:**

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---

**Philip Grindle**  
Laboratory Supervisor
Allderdice High School
**LABORATORY REPORT**

**Attn:** Dan Davis  
**Phone:** 412-828-1412  
**Email:** DDavis@SkellyLoy.com

<table>
<thead>
<tr>
<th>Client Sample ID</th>
<th>RJ Lee Group ID</th>
<th>Sampling Date and Time</th>
<th>Preparation/Analysis</th>
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---

**Signature:**  
Philip Grindle  
Laboratory Supervisor
Allegheny Annex
LABORATORY REPORT

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

Attn: Dan Davis
Phone: 412-828-1412
Email: DDavis@SkellyLoy.com

EPA 200.8
Skelly and Loy, Inc., A Terracon Company
3280 William Pitt Way
Pittsburgh, PA 15238

Analyst Comments:

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<th>Matrix</th>
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<td>Drinking Water</td>
<td>10.9</td>
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Philip Grindle
Laboratory Supervisor
# Laboratory Report

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

Attn: Dan Davis  
Phone: 412-828-1412

Email: DDavis@SkellyLoy.com

---

**Client Sample ID**  
**RJ Lee Group ID**  
**Sampling Date and Time**  
**Preparation/Analysis**  
**Analyte**  
**Matrix**  
**Sample Concentration Total µg/L (PPB)**  
**Minimum Reporting Limit µg/L (PPB)**  
**Analysis Date**  
**Q**

<table>
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<th>Client Sample ID</th>
<th>RJ Lee Group ID</th>
<th>Sampling Date and Time</th>
<th>Preparation/Analysis</th>
<th>Analyte</th>
<th>Matrix</th>
<th>Sample Concentration Total µg/L (PPB)</th>
<th>Minimum Reporting Limit µg/L (PPB)</th>
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<td>1.00</td>
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</table>

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**Prep/Analysis:**  
Client Sample ID RJ Lee Group ID Sampling Date and Time Preparation/Analysis Analyte Matrix Sample Concentration Total µg/L (PPB) Minimum Reporting Limit µg/L (PPB) Analysis Date Q

**Sample Preparation/Analysis:**

- **22-ALX-02-CF-33-A PA0211202200002-001**  
  Sample Date and Time: 11/02/2022, 06:58 AM  
  Preparation/Analysis: EPA 200.8  
  Analyte: Lead  
  Matrix: Drinking Water  
  Sample Concentration Total: 2.98 µg/L (PPB)  
  Minimum Reporting Limit: 1.00 µg/L (PPB)  
  Analysis Date: 11/3/2022  
  Q: PN

---

**Prep/Analysis:**

- **22-ALX-02-CF-33-A PA0211202200002-001**  
  Sample Date and Time: 11/02/2022, 06:58 AM  
  Preparation/Analysis: EPA 200.8  
  Analyte: Lead  
  Matrix: Drinking Water  
  Sample Concentration Total: 2.98 µg/L (PPB)  
  Minimum Reporting Limit: 1.00 µg/L (PPB)  
  Analysis Date: 11/3/2022  
  Q: PN

---

**Report Qualifiers (Q):**

- **P:** PA-DEP Accredited (PA DEP Lab ID 02-00396, NELAP)
- **N:** NY ELAP Accredited (NY ELAP Lab Code 108BM)
- **J:** Laboratory Control Standard/Standard Reference Material (Standardization/Monitoring) recovery outside accepted recovery limits
- **M:** Method Detection Limit (MDL) outside accepted limits
- **H:** Holding times for preparation or analysis exceeded
- **L:** LCS (Laboratory Control Standard)/SRM (Standard Reference Material) recovery outside accepted limits
- **R:** RPD (relative percent difference) outside accepted limits
- **D:** RL (reporting limit verification) outside accepted limits
- **NP:** Not Provided

---

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## LABORATORY REPORT

**Client Project:** Pittsburgh Arsenal Pre K-5/6-8  
**Prep/Analysis:** EPA 200.8  
**Sample ID:** PA140920220003  
**Sampling Date and Time:** September 14, 2022  
**Sample Concentration Total µg/L (PPB):**  
**Matrix:** Drinking Water  
**Minimum Reporting Limit µg/L (PPB):**  
**Analysis Date:** September 16, 2022  
**Report Qualifiers (Q):**  

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<th>Matrix</th>
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<td>09/14/2022, 07:13 AM</td>
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<td>Lead</td>
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<td>1.00</td>
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**Report Signatures:**

- Philip Grindle  
  Laboratory Supervisor
### LABORATORY REPORT

**RJ Lee Group Job No.: PA040520220015**

**Samples Received:** May 4, 2022  
**Report Date:** May 6, 2022  
**Client Project:** Pittsburgh Beechwood Pre K-5  
**Purchase Order No.:** JP227019.5.2  
**Prep/Analysis:** EPA 200.8

### Client Sample ID

<table>
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<th>Client Sample ID</th>
<th>RJ Lee Group ID</th>
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<th>Preparation/ Analysis</th>
<th>Analyte</th>
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<td>05/04/2022, 07:50 AM</td>
<td>EPA 200.8</td>
<td>Lead</td>
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<td>1.00</td>
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RJ Lee Group Job No.: PA270520220013
Samples Received: May 27, 2022
Report Date: June 1, 2022
Client Project: Carmalt PreK-8
Purchase Order No.: JP227019.10.2
Prep/Analysis: EPA 200.8

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<th>Client Sample ID</th>
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<th>Analyte</th>
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<th>Sample Concentration Total µg/L (PPB)</th>
<th>Minimum Reporting Limit µg/L (PPB)</th>
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<td>05/27/2022, 06:10 AM</td>
<td>EPA 200.8</td>
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<td>&lt; 1.00</td>
<td>1.00</td>
<td>5/31/2022</td>
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Report Qualifiers (Q):

P: PA-DEP Accredited (PA DEP Lab ID 02-00396, NELAP)
N: NY ELAP Accredited (NY ELAP Lab Code 10884)
J: Test (analyte-matrix-preparation-analysis) is performed under RJLG’s General Quality System requirements and is not part of any of the above scopes of accreditations
L: LCS (Laboratory Control Standard)/SRM (Standard Reference Material) recovery outside accepted recovery limits
M: Holding times for preparation or analysis exceeded
E = Value above highest calibration standard
B = Analyte detected in the associated Method Blank
S = Spike Recovery outside accepted limits
R = RPD (relative percent difference) outside accepted limits
D = RL (reporting limit verification) outside accepted limits
NP = Not Provided

Erin Repine
Scientist
LABORATORY REPORT

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

Attn: Dan Davis
Phone: 412-828-1412

Email: DDavis@SkellyLoy.com

EPA 200.8
Skelly and Loy, Inc., A Terracon Company
3280 William Pitt Way
Pittsburgh, PA 15238

Lab: 2022-PH75120008
Analyst: RJ Lee Group
Prep/Analysis: EPA 200.8

Client Sample ID | RJ Lee Group ID | Sampling Date and Time | Preparation/Analysis | Analyte | Matrix | Sample Concentration Total µg/L (PPB) | Minimum Reporting Limit µg/L (PPB) | Analysis Date | Q
--- | --- | --- | --- | --- | --- | --- | --- | --- | ---
22-COL-BS-CF-01C | PA290920220008-001 | 09/29/2022, 06:42 AM | EPA 200.8 | Lead | Drinking Water | 9.33 | 1.00 | 9/30/2022 | PN
22-COL-BS-CF-16C | PA290920220008-002 | 09/29/2022, 06:46 AM | EPA 200.8 | Lead | Drinking Water | 6.32 | 1.00 | 9/30/2022 | PN
22-COL-01-CF-20C | PA290920220008-003 | 09/29/2022, 06:53 AM | EPA 200.8 | Lead | Drinking Water | 3.75 | 1.00 | 9/30/2022 | PN
22-COL-01-CF-20D | PA290920220008-004 | 09/29/2022, 06:53 AM | EPA 200.8 | Lead | Drinking Water | 1.26 | 1.00 | 9/30/2022 | PN
22-COL-01-CF-41C | PA290920220008-005 | 09/29/2022, 06:58 AM | EPA 200.8 | Lead | Drinking Water | 4.32 | 1.00 | 9/30/2022 | PN
22-COL-01-CF-42C | PA290920220008-006 | 09/29/2022, 06:59 AM | EPA 200.8 | Lead | Drinking Water | 4.97 | 1.00 | 9/30/2022 | PN
22-COL-02-CF-59C | PA290920220008-007 | 09/29/2022, 07:04 AM | EPA 200.8 | Lead | Drinking Water | 7.42 | 1.00 | 9/30/2022 | PN
22-COL-02-CF-60C | PA290920220008-008 | 09/29/2022, 07:05 AM | EPA 200.8 | Lead | Drinking Water | 5.84 | 1.00 | 9/30/2022 | PN
22-COL-02-CF-81C | PA290920220008-009 | 09/29/2022, 07:07 AM | EPA 200.8 | Lead | Drinking Water | 4.22 | 1.00 | 9/30/2022 | PN
22-COL-02-CF-81D | PA290920220008-010 | 09/29/2022, 07:07 AM | EPA 200.8 | Lead | Drinking Water | < 1.00 | 1.00 | 9/30/2022 | PN
22-COL-03-CF-99C | PA290920220008-011 | 09/29/2022, 07:08 AM | EPA 200.8 | Lead | Drinking Water | 8.37 | 1.00 | 9/30/2022 | PN

Analyst Comments:

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Philip Grindle
Laboratory Supervisor
Not Applicable - Fixture taken out of service.
### LABORATORY REPORT

**Client Project:** Pittsburgh Conroy  
**Prep/Analysis:** EPA 200.8  

<table>
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<tr>
<th>Client Sample ID</th>
<th>RJ Lee Group ID</th>
<th>Sampling Date and Time</th>
<th>Preparation/Analysis</th>
<th>Analyte</th>
<th>Matrix</th>
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<th>Analysis Date</th>
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<tbody>
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<td>22-CNY-03-CF-100-A</td>
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<td>06/09/2022, 06:05 AM</td>
<td>EPA 200.8</td>
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<td>Drinking Water</td>
<td>371</td>
<td>10.0</td>
<td>6/10/2022</td>
<td>PN</td>
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</table>

**Analyst Comments:**

Report Qualifiers (Q):
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- N: NY ELAP Accredited (NY ELAP Lab Code 10884)  
- I: LCR Laboratory Control Standard/SRM (Standard Reference Material) recovery outside accepted recovery limits  
- H: Holding times for preparation or analysis exceeded  
- RPD: Relative percent difference outside accepted limits  
- RL: Reporting Limit Verification outside accepted limits  
- NP: Not Provided

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# LABORATORY REPORT

Amended report to correct project and sample ID as per client request.

**Client Project:** Pittsburgh Conroy Education Center

**Prep/Analysis:** EPA 200.8

<table>
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<tr>
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<td>08/17/2022, 08:16 AM</td>
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<td>Lead</td>
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<td>25.8</td>
<td>1.00</td>
<td>8/18/2022</td>
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LABORATORY REPORT

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Pittsburgh, PA 15238

Attn: Dan Davis
Phone: 412-828-1412
Email: DDavis@SkellyLoy.com

EPA 200.8
Skelly and Loy, Inc., A Terracon Company
3280 William Pitt Way
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- N = NY ELAP Accredited (NY ELAP Lab Code 10884)
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- L = LCS (Laboratory Control Standard)/SRM (Standard Reference Material) recovery
- M = Holding times for preparation or analysis exceeded

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<tr>
<th>Client Sample ID</th>
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<th>Analyte</th>
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</table>

Analyst Comments:

Philip Grindle
Laboratory Supervisor
LABORATORY REPORT

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

Attn: Dan Davis
Phone: 412-828-1412
Email: DDavis@SkellyLoy.com

RJ Lee Group Job No.: PA160920220009
Samples Received: September 16, 2022
Report Date: September 20, 2022
Client Project: Pittsburgh Grandview
Purchase Order No.: JPA227019.31.2
Prep/Analysis: EPA 200.8

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Philip Grindle
Laboratory Supervisor
Greenway (Classical-Gifted Center)
## LABORATORY REPORT

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

Attn: Dan Davis  
Phone: 412-828-1412  

Email: DDavis@SkellyLoy.com

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Philip Grindle  
Laboratory Supervisor
## LABORATORY REPORT

### Client Project: Pittsburgh Mifflin Pre K-8

#### Purchase Order No.: JP227019.16.2

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## LABORATORY REPORT

### Client Sample ID | RJ Lee Group ID | Sampling Date and Time | Preparation/Analysis | Analyte | Matrix | Sample Concentration Total µg/L (PPB) | Minimum Reporting Limit µg/L (PPB) | Analysis Date | Q
---|---|---|---|---|---|---|---|---|---
22-MIF-01-CF-88-A | PA170820220004-001 | 08/16/2022, 08:37 AM | EPA 200.8 | Lead | Drinking Water | 17.1 | 1.00 | 8/18/2022 | PN

### Analyst Comments:

Report Qualifiers (Q):

- **P**: PA-DEP Accredited (PA DEP Lab ID 02-00396, NELAP)
- **N**: NY ELAP Accredited (NY ELAP Lab Code 10884)
- **J**: Value below lowest calibration standard but above MDL (Method Detection Limit)
- **L**: LCS (Laboratory Control Standard)/SRM (Standard Reference Material) recovery
- **M**: Hold time for preparation or analysis exceeded
- **D**: RL (reporting limit verification) outside accepted limits
- **NP**: Not Provided

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---

Philip Grindle  
Laboratory Supervisor
Obama 6-12, Early Childhood Center
# LABORATORY REPORT

## Client Project: Pittsburgh Obama

**Prep/Analysis Data**

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<th>Matrix</th>
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---

**Philip Grindle**

Laboratory Supervisor
Oliver
## LABORATORY REPORT

### Attn: Dan Davis

**Skelly and Loy, Inc., A Terracon Company**

3280 William Pitt Way

Pittsburgh, PA 15238

**Email:** DDavis@SkellyLoy.com

---

### RJ Lee Group Job No.: PA150920220005

**Samples Received:** September 15, 2022

**Report Date:** September 19, 2022

**Client Project:** Pittsburgh Oliver

**Purchase Order No.:** JP227019.30.2

**Prep/Analysis:** EPA 200.8

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### Client Sample ID | RJ Lee Group ID | Sampling Date and Time | Preparation/Analysis | Analyte | Matrix | Sample Concentration Total µg/L (PPB) | Minimum Reporting Limit µg/L (PPB) | Analysis Date | Q |
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---

**Philip Grindle**

Laboratory Supervisor
## LABORATORY REPORT

### Client Project: Schiller

**Prep/Analysis:** EPA 200.8

### Samples Received:
- **Date:** July 22, 2022
- **Client Sample ID:** 22-SCH-01-OF-46C
- **Sampling Date and Time:** 07/22/2022, 08:15 AM

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<th>RJ Lee Group ID</th>
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<td>PA220720220013-001</td>
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<td>1.00</td>
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**Q**
- **P:** PA-DEP Accredited (PA DEP Lab ID 02-00396, NELAP)
- **E:** Value above highest calibration standard
- **J:** Value below lowest calibration standard but above MDL (Method Detection Limit)
- **L:** LCS (Laboratory Control Standard)/SRM (Standard Reference Material) recovery outside accepted limits
- **M:** Holding times for preparation or analysis exceeded
- **NP:** Not Provided

### Analyst Comments:

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Spring Garden Early Childhood Center
### LABORATORY REPORT

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

**Attn:** Dan Davis  
**Phone:** 412-828-1412

**Email:** DDavis@SkellyLoy.com

---

**Client Project:** Pittsburgh Spring Garden ECC  
**Purchase Order No.:** JP227019.4.2  
**Prep/Analysis:** EPA 200.8

---

**RJ Lee Group Job No.: PA040520220014**  
**Samples Received:** May 4, 2022  
**Report Date:** May 6, 2022

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**Preparation/Analysis**  

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<td>1.00</td>
<td>5/5/2022</td>
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**Report Qualifiers (Q):**
- **P:** PA-DEP Accredited (PA DEP Lab ID 02-00396, NELAP)  
- **N:** NY ELAP Accredited (NY ELAP Lab Code 10884)
- **E:** Value above highest calibration standard  
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- **L:** LCS (Laboratory Control Standard)/SRM (Standard Reference Material) recovery  
- **R:** RPD (relative percent difference) outside accepted limits  
- **H:** Holding times for preparation or analysis exceeded  
- **S:** Spike Recovery outside accepted limits  
- **D:** RL (reporting limit verification) outside accepted limits  
- **NP:** Not Provided

---

**Analyst Comments:**

---

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<td>1.00</td>
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<td>PN</td>
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</table>

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## LABORATORY REPORT

**Skelly and Loy, Inc., A Terracon Company**  
3280 William Pitt Way  
Pittsburgh, PA 15238

**Attn:** Dan Davis  
**Phone:** 412-828-1412  
**Email:** DDavis@SkellyLoy.com

---

<table>
<thead>
<tr>
<th>Client Sample ID</th>
<th>Preparation/Analysis</th>
<th>Analyte</th>
<th>Matrix</th>
<th>Sample Concentration Total µg/L (PPB)</th>
<th>Minimum Reporting Limit µg/L (PPB)</th>
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<td>1.00</td>
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**Report Qualifiers (Q):**  
- **P:** PA-DEP Accredited (PA DEP Lab ID 02-00396, NELAP)  
- **N:** NY ELAP Accredited (NY ELAP Lab Code 10884)  
- **J:** Value below lowest calibration standard but above MDL (Method Detection Limit)  
- **B:** Analyte detected in the associated Method Blank  
- **I:** Laboratory Control Standard or Standard Reference Material (SRM) recovery outside accepted limits  
- **S:** Spike Recovery Outside accepted limits  
- **R:** Relative percent difference outside accepted limits  
- **D:** Reporting limit verification outside accepted limits  
- **NP:** Not Provided

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---

**Philip Grindle**  
**Laboratory Supervisor**
### LABORATORY REPORT

**RJ Lee Group Job No.: PA230920220007**

**Samples Received:** September 23, 2022

**Report Date:** September 27, 2022

**Client Project:** JP227019.21.2

**Purchase Order No.:** N/A

**Prep/Analysis:** EPA 200.8

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<td>3.74</td>
<td>1.00</td>
<td>9/27/2022</td>
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---

**Attn:** Dan Davis  
**Phone:** 412-828-1412

Email: DDavis@SkellyLoy.com

---

**Report Qualifiers (Q):**

- P: PA-DEP Accredited (PA DEP Lab ID 02-00396, NELAP)
- N: NY ELAP Accredited (NY ELAP Lab Code 10884)
- : Test (analyte-matrix-preparation-analysis) is performed under RJLG's General Quality System requirements and is not part to any of the above scopes of accreditations
- R: RPD (relative percent difference) outside accepted limits
- L: LCS (Laboratory Control Standard)/SRM (Standard Reference Material) recovery outside accepted limits
- S: Spike Recovery outside accepted limits
- J: Value below lowest calibration standard but above MDL (Method Detection Limit)
- I: Value above highest calibration standard
- E: Value above lowest calibration standard but above MDL (Method Detection Limit)
- B: Analyte detected in the associated Method Blank
- R: RL (reporting limit verification) outside accepted limits
- NP: Not Provided

---

Philip Grindle  
Laboratory Supervisor
### LABORATORY REPORT

**Sample Details**

- **Client:** Westwood K-5
- **Client ID:** RJ Lee Group ID: PA130520220018
- **Prep/Analysis:** EPA 200.8
- **Preparation/Analysis:** 22-WWD-GF-CF-13-C
- **Sample Concentration:** 2.62 µg/L (PPB)
- **Minimum Reporting Limit:** 1.00 µg/L (PPB)
- **Analysis Date:** 5/17/2022

### Analyst Comments:

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- **Q:** Test (analyte-matrix-preparation-analysis) is performed under RJLG’s General Quality System requirements and is not part to any of the above scopes of accreditations
- **S:** Spike Recovery outside accepted limits
- **NP:** Not Provided
- **E:** Value above highest calibration standard
- **B:** Analyte detected in the associated Method Blank
- **H:** Holding times for preparation or analysis exceeded

---

### Analyte Details

<table>
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<tr>
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<td>2.62</td>
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<td>5/17/2022</td>
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---

**Philip Grindle**

Laboratory Supervisor
## LABORATORY REPORT

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

Attn: Dan Davis  
Phone: 412-828-1412

Email: DDavis@SkellyLoy.com

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<td>7/12/2022</td>
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Quality Control data is available upon request.

Philip Grindle  
Laboratory Supervisor
# LABORATORY REPORT

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

Attn: Dan Davis  
Phone: 412-828-1412

Email: DDavis@SkellyLoy.com

---

**Client Project:** Pittsburgh Woolslair K-5  
**Purchase Order No.:** JP227019.11.2  
**Prep/Analysis:** EPA 200.8

<table>
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<th>Client Sample ID</th>
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**Analyst Comments:**

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APPENDIX C

MAPS
Administration Building
Legend - Fixture Code

CF  Classroom faucets
FF  Field House sink faucets
HF  Home economics faucets (with cooking)
IM  Ice machines
KF  Kitchen faucets
MC  Multi-Purpose Room/Cafeteria faucets
MS  Miscellaneous sinks
NF  Nurse’s office sink faucets
OF  Office sink faucets
RF  Restroom lavatory faucets
SF  Science Labs faucets
SL  Service Line
TF  Teacher’s lounge sinks
US  Utility sinks
WB  Water fountain bubbler (Ceramic or Porcelain)
WC  Water fountain with cooler
WF  Water fountain with filter & cooler
WM  Water Main
WO  Water fountain without cooler

ADM-02-WB-43
ADM-02-RF-42
ADM-02-US-41
ADM-02-RF-36
ADM-02-OF-37
ADM-02-OF-38
ADM-02-WB-39
ADM-02-RF-40

no key access
but informed no water fixtures in Board Room
Legend - Fixture Code
CF  Classroom faucets
FF  Field House sink faucets
HF  Home economics faucets (with cooking)
IM  Ice machines
KF  Kitchen faucets
MC  Multi-Purpose Room/Cafeteria faucets
MS  Miscellaneous sinks
NF  Nurse's office sink faucets
OF  Office sink faucets
RF  Restroom lavatory faucets
SF  Science Labs faucets
ST  Service Line
TF  Teacher's lounge sinks
US  Utility sinks
WB  Water fountain bubbler (Ceramic or Porcelain)
WC  Water fountain with cooler
WF  Water fountain with filter & cooler
WM  Water Main
WO  Water fountain without cooler

ADM-04-OF-77
ADM-04-OF-78
ADM-04-US-73
ADM-04-RF-74
ADM-04-WB-76
ADM-04-OF-68
ADM-04-OF-69
ADM-04-WO-70
ADM-04-RF-71 Left
ADM-04-RF-72 Right
ADM-04-RF-75

no access*special key needed
Allderdice Field House
ALLDERDICE HIGH SCHOOL
Second Floor

Legend - Fixture Code
CF Classroom faucets
FF Field House sink faucets
HF Home economics faucets (with cooking)
IM Ice machines
KF Kitchen faucets
MC Multi-Purpose Room/cafeteria faucets
MS Miscellaneous sinks
OF Office sink faucets
RF Restroom lavatory faucets
SF Science Labs faucets
SL Service Line
TF Teacher's lounge sinks
US Utility sinks
WB Water fountain bubblers (Ceramic or Porcelain)
WC Water fountain with cooler
WF Water fountain with filter & cooler
WM Water Main
WO Water fountain without cooler
Allegheny Annex
Legend

CF          Classroom faucets
FF          Field House sink faucets
HF          Home economics faucets (with cooking)
IM          Ice machines
KF          Kitchen faucets
MS          Miscellaneous sinks
MC          Multi-Purpose Room/Cafeteria faucets
NF          Nurse’s office sink faucets
OF          Office sink faucets
RF          Restroom lavatory faucets
SF          Science Labs faucets
SL          Service Line
TF          Teacher’s lounge sinks
US          Utility sinks
WB          Water fountain bubbler (Ceramic or Porcelain)
WC          Water fountain with cooler
WF          Water fountain with filter & cooler
WO          Water fountain without cooler
WM          Water Main
Legend

- **CF**: Classroom faucets
- **FF**: Field House sink faucets
- **HF**: Home economics faucets (with cooking)
- **IM**: Ice machines
- **KF**: Kitchen faucets
- **MS**: Miscellaneous sinks
- **MC**: Multi-Purpose Room/Cafeteria faucets
- **NF**: Nurse’s office sink faucets
- **OF**: Office sink faucets
- **RF**: Restroom lavatory faucets
- **SF**: Science Labs faucets
- **SL**: Service Line
- **TF**: Teacher’s lounge sinks
- **US**: Utility sinks
- **WB**: Water fountain bubbler (Ceramic or Porcelain)
- **WC**: Water fountain with cooler
- **WF**: Water fountain with filter & cooler
- **WD**: Water fountain without cooler
- **WM**: Water Main

Reference: EPA Guideline “Testing Schools and Child Care Centers for Lead in the Drinking Water”
Grandview Legend - Fixture Code

CF Classroom faucets
FF Field House sink faucets
HF Home economics faucets (with cooking)
IM Ice machines
KF Kitchen faucets
MC Multi-Purpose Room/Cafeteria faucets
MS Miscellaneous sinks
NF Nurse’s office sink faucets
OF Office sink faucets
RF Restroom lavatory faucets
SE Science Labs faucets
SL Service Line
TF Teacher’s lounge sinks
US Utility sinks
WB Water fountain bubbler (Ceramic or Porcelain)
WC Water fountain with cooler
WF Water fountain with filter & cooler
WM Water Main
WO Water fountain without cooler

Possible Furthest Points

GRD-01-CF-33 not operable
GRD-01-CF-34
GRD-01-CF-35
GRD-01-CF-36
GRD-01-CF-37 L
GRD-01-CF-38 R
GRD-01-RF-39
GRD-01-RF-40
GRD-01-RF-41
GRD-01-RF-42
GRD-01-RF-43
GRD-01-RF-44
GRD-01-RF-45
GRD-01-RF-46
GRD-01-RF-47
GRD-01-RF-48
GRD-01-RF-49
GRD-01-RF-50
GRD-01-RF-51
Legend - Fixture Code

- **CF**: Classroom faucets
- **FF**: Field House sink faucets
- **HF**: Home economics faucets (with cooking)
- **IM**: Ice machines
- **KF**: Kitchen faucets
- **MC**: Multi-Purpose Room/Cafeteria faucets
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Grandview

Second Floor Key Plan
Greenway (Classical-Gifted Center)
Legend - Fixture Code
CF Classroom faucets
FF Field House sink faucets
HF Home economics faucets (with cooking)
IM Ice machines
KF Kitchen faucets
MC Multi-Purpose Room/Cafeteria faucets
MS Miscellaneous sinks
NF Nurse’s office sink faucets
OF Office sink faucets
RF Restroom lavatory faucets
SF Science Labs faucets
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US Utility sinks
WB Water fountain bubbler (Ceramic or Porcelain)
WC Water fountain with cooler
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WO Water fountain without cooler
Legend
CF  Classroom faucets
FF  Field House sink faucets
HF  Home economics faucets (with cooking)
IM  Ice machines
KF  Kitchen faucets
MS  Miscellaneous sinks
MC  Multi-Purpose Room/Cafeteria faucets
NF  Nurse's office sink faucets
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SCHILLER SCHOOL 1018
PERALTA STREET
PITTSBURGH, PA 15212
Student Achievement Center
Legend - Fixture Code

CF    Classroom faucets
FF    Field House sink faucets
HF    Home economics faucets (with cooking)
IM    Ice machines
KF    Kitchen faucets
MC    Multi-Purpose Room/Cafeteria faucets
MS    Miscellaneous sinks
NF    Nurse’s office sink faucets
OF    Office sink faucets
RF    Restroom lavatory faucets
SF    Science Labs faucets
SL    Service Line
TF    Teacher’s lounge sinks
US    Utility sinks
WC    Water fountain bubbler (Ceramic or Porcelain)
WF    Water fountain with cooler
WM    Water Main
WO    Water fountain without cooler
Westwood Elementary School
508 Shadyhill Road
Pittsburgh, PA 15205

Ground Floor

Legend - Fixture Code
CF Classroom faucets
FF Field House sink faucets
HF Home economics faucets (with cooking)
IM Ice machines
KF Kitchen faucets
MC Multi-Purpose Room/Cafeteria faucets
MS Miscellaneous sinks
NF Nurse's office sink faucets
OF Office sink faucets
RF Restroom lavatory faucets
SF Science Labs faucets
SL Service Line
TF Teacher's lounge sinks
US Utility sinks
WB Water fountain bubbler (Ceramic or Porcelain)
WC Water fountain with cooler
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WM Water Main
WO Water fountain without cooler

POSSIBLE FURTHEST POINT