



June 16, 2023

Brent Perrin
Reynolds School District
1204 NE 201st Avenue
Fairview, Oregon 97024

Via email: BPerrin@rsd7.net

Regarding: Drinking Water Sampling Report
 Hartley Elementary School
 701 NE 185th Place
 Portland, OR
 PBS Project 23514.186

Mr. Perrin:

In May 2023, PBS Engineering and Environmental Inc. (PBS) performed drinking water sampling and analysis for lead at Hartley Elementary School in Portland, Oregon. The testing was requested by Reynolds School District (the District) to meet requirements from the Oregon Department of Education (ODE) and Oregon Health Authority (OHA) to conduct testing for lead in school drinking water systems.

Background and Sampling Procedure

Oregon Administrative Rule (OAR) 333-061-0400 *Reducing Lead In School Drinking Water* requires school districts to conduct initial testing for lead from each qualifying tap.

The sampling methodology followed the protocol described in Section 4 of the EPA document *3Ts for Reducing Lead in Drinking Water in Schools and Childcare Facilities, October 2018* and guidelines established by Oregon Health Authority and Oregon Department of Education. Following these guidelines, PBS assigned identification numbers and collected first draw samples from each test location. First draw samples consist of the first 250 milliliters (mL) of water drawn from a fixture during an early morning after school was in session the previous day, and before the fixture has been used again in the morning. The 3Ts' sampling protocol is designed to maximize the likelihood that the highest concentrations of lead in water used for consumption are identified.

PBS tested all taps in the building(s) eligible for testing according to OAR 333-061-0400, which requires testing of all taps except the following: shower heads, pipes used for building heating, dedicated eyewash stations and emergency showers, fixtures in areas with no student access used solely for sanitation by staff, fixtures used exclusively for irrigation, and fixtures in science and technical education classrooms (grades 6-12) where the fixtures have signage indicating they are not a drinking water source and are not intended for use in food preparation.

PBS assigned sample numbers to fixtures according to the ODE naming convention and using the ODE district and building codes provided by the District to PBS. When multiple samples were collected in the same area, PBS assigned numbers and sampled in a clockwise fashion starting on the left.

The District has previously completed some testing, but did not test all fixtures that are now required to be tested by ODE and did not use the sample naming convention now used by ODE, as ODE rules have changed since 2016.

Results

First draw samples were collected from 74 fixtures and delivered under chain of custody to Apex Laboratories in Tigard, Oregon, for lead analysis using EPA Method 200.8 ICPMS. An additional 1 fixture was inventoried but could not be sampled. Samples above the action level of 15 ppb are shown in bold. The following table lists the results of the analysis.

Table 1: Hartley Elementary School - Sample Results

Fixture Number	Sample Number	Location / Room No.	Fixture Type	Results (ppb)
001	21820400-001KF23A	Kitchen SE	Kitchen faucet	0.480
002	21820400-002SF23A	Kitchen staff sink near restroom	Staff faucet	3.57
003	21820400-003KF23A	Kitchen north	Kitchen faucet	3.97
004	21820400-004SF23A	Hall to kitchen, staff restroom	Staff faucet	0.838
005	21820400-005SF23A	Hall to kitchen, staff restroom	Staff faucet	0.773
006	21820400-006CF23A	Workroom	Classroom faucet	15.2
007	21820400-007WB23A	Gym hallway	Water bottle fill	ND
008	21820400-008DW23A	Gym hallway	Drinking fountain	ND
009	21820400-009CF23A	Room 14	Classroom faucet	2.60
010	21820400-010CF23A	Room 16	Classroom faucet	4.15
011	21820400-011DW23A	Room 16	Drinking fountain	1.29
012	21820400-012CF23A	Room 18	Classroom faucet	3.01
013	21820400-013DW23A	Room 18	Drinking fountain	1.90
014	21820400-014CF23A	Room 20	Classroom faucet	0.265
015	21820400-015DW23A	Room 20	Drinking fountain	2.80
016	21820400-016CF23A	Room 21	Classroom faucet	0.679
017	21820400-017DW23A	Room 21	Drinking fountain	1.88
018	21820400-018CF23A	Room 19	Classroom faucet	0.859
019	21820400-019DW23A	Room 19	Drinking fountain	1.52
020	21820400-020CF23A	Room 17	Classroom faucet	1.17
021	21820400-021DW23A	Room 17	Drinking fountain	1.81
022	21820400-022BF23A	1 st /2 nd grade hall boys restroom	Bathroom faucet	2.49
023	21820400-023WB23A	1 st /2 nd grade hall	Water bottle fill	ND
024	21820400-024DW23A	1 st /2 nd grade hall	Drinking fountain	ND
025	21820400-025BF23A	1 st /2 nd grade hall girls restroom	Bathroom faucet	3.50
026	21820400-026SF23A	Teachers lounge	Staff faucet	1.34
027	21820400-027WB23A	Teachers lounge	Water bottle fill	ND
028	21820400-028BF23A	SE hall boys restroom	Bathroom faucet	4.28
029	21820400-029BF23A	SE hall boys restroom	Bathroom faucet	5.32
030	21820400-030WB23A	SE hall	Water bottle fill	ND
031	21820400-031DW23A	SE hall	Drinking fountain	ND

Fixture Number	Sample Number	Location / Room No.	Fixture Type	Results (ppb)
032	21820400-032BF23A	SE hall girls restroom	Bathroom faucet	5.50
033	21820400-033CF23A	Room 2	Classroom faucet	3.18
034	21820400-034DW23A	Room 2	Drinking fountain	1.56
035	21820400-035CF23A	Room 4	Classroom faucet	1.94
036	21820400-036DW23A	Room 4	Drinking fountain	1.03
037	21820400-037CF23A	Room 6	Classroom faucet	8.28
038	21820400-038DW23A	Room 6	Drinking fountain	2.46
039	21820400-039CF23A	Room 8	Classroom faucet	4.41
040	21820400-040DW23A	Room 8	Drinking fountain	0.750
041	21820400-041CF23A	Room 10	Classroom faucet	0.834
042	21820400-042DW23A	Room 10	Drinking fountain	1.12
043	21820400-043BF23A	South hall boys restroom	Bathroom faucet	4.45
044	21820400-044WB23A	South hall	Water bottle fill	ND
045	21820400-045DW23A	South hall	Drinking fountain	ND
046	21820400-046BF23A	South hall girls restroom	Bathroom faucet	2.63
047	21820400-047CF23A	Room 15	Classroom faucet	5.89
048	21820400-048DW23A	Room 15	Drinking fountain	0.705
049	21820400-049CF23A	Room 13	Classroom faucet	10.2
050	21820400-050DW23A	Room 13	Drinking fountain	0.612
051	21820400-051CF23A	Room 11	Classroom faucet	1.96
052	21820400-052DW23A	Room 11	Drinking fountain	0.515
053	21820400-053CF23A	Room 9	Classroom faucet	3.22
054	21820400-054DW23A	Room 9	Drinking fountain	2.48
055	21820400-055CF23A	Room 7	Classroom faucet	8.54
056	21820400-056CF23A	Room 5	Classroom faucet	2.51
057	21820400-057DW23A	Room 5	Drinking fountain	4.97
058	21820400-058CF23A	Room 3	Classroom faucet	0.685
059	21820400-059DW23A	Room 3	Drinking fountain	0.414
060	21820400-060CF23A	Room 1	Classroom faucet	1.41
061	21820400-061DW23A	Room 1	Drinking fountain	1.60
062	21820400-062BF23A	Front office staff restroom west	Bathroom faucet	0.473
063	21820400-063NS23A	Nurses office	Nurses sink	0.904
064	21820400-064SF23A	Front office staff restroom east	Staff faucet	0.297
065	21820400-065WB23A	Cafeteria	Water bottle fill	ND
066	21820400-066DW23A	Cafeteria	Drinking fountain	ND
067	21820400-067DW23A	Cafeteria	Drinking fountain	ND
068	21820400-068BF23A	Pod C restroom	Bathroom faucet	2.04
069	21820400-069BF23A	Pod D restroom	Bathroom faucet	1.02
070	21820400-070CF23A	North pod	Classroom faucet	1.70
071	21820400-071DW23A	North pod	Drinking fountain	0.394
073	21820400-073BF23A	North pod restroom	Bathroom faucet	0.831

Fixture Number	Sample Number	Location / Room No.	Fixture Type	Results (ppb)
074	21820400-074BF23A	North pod restroom	Bathroom faucet	3.32
075	21820400-075CF23A	North pod classroom	Classroom faucet	0.905

ND = no lead detected

The following is a list of fixtures that could not be sampled by PBS, as they were either shut off or inaccessible. PBS assigned them a number in sequence so they can be sampled later if they are brought back online.

Table 2: Hartley Elementary School – Fixtures Not Sampled

Fixture Number	Sample Number	Location / Room No.	Fixture Type
072	21820400-072DW	North Pod	Drinking fountain

Elevated concentrations of lead were found in one fixture in the building. Access to this fixture should be restricted in accordance with Oregon and EPA guidelines. PBS recommends taking corrective action per recommendations in EPA’s 3Ts Module 6. Given that the majority of fixtures in the building tested below 15.0, it is unlikely that there is a building-wide source of lead in drinking water beyond the fixture itself. However, EPA protocol recommends follow-up flush sampling at all locations where first-draw samples contain lead concentrations greater than 15 parts per billion (ppb). PBS also recommends either remediating the fixture or installing a local filter, then flushing it and retesting in accordance with ODE guidelines. PBS is available to assist with further investigation and corrective actions upon request.

Please refer to the attached sample location field drawing and laboratory analytical report for additional details. The laboratory analytical results are reported in micrograms per liter (µg/L), a unit of measure that is equivalent to ppb.

Reimbursement

The District may be eligible for reimbursement from the State of Oregon for the cost of laboratory analytical testing and shipping, but not consultant fees. This is done by completing out the ODE’s reimbursement template spreadsheet for each facility and submitting the information to ODE. PBS is available to assist with filing for reimbursement upon request, but it is not currently in our scope of work.

Ongoing Testing

According to OAR 333-061-0400, school districts are required to complete on-going testing at least once every six years, starting from July 1, 2020. Taps are exempt from ongoing testing if the tap was installed after January 4, 2014 and meets the lead-free standard of no more than 0.25 percent lead by weight and the piping feeding the tap is a material other than copper or was installed after January 4, 2014 and the solder and flux meets the leadfree standard of no more than 0.2 percent lead; and was tested during initial testing and results were less than 1 ppb lead. The District should investigate whether any taps at this facility meet the requirements to suspend ongoing testing. The District should consult with ODE to determine when they should complete ongoing testing.

Please feel free to contact me at 503.515.7489 or james.mastanduno@pbsusa.com with any questions or comments.

Sincerely,

A handwritten signature in black ink, appearing to read 'JM', with a stylized flourish extending to the right.

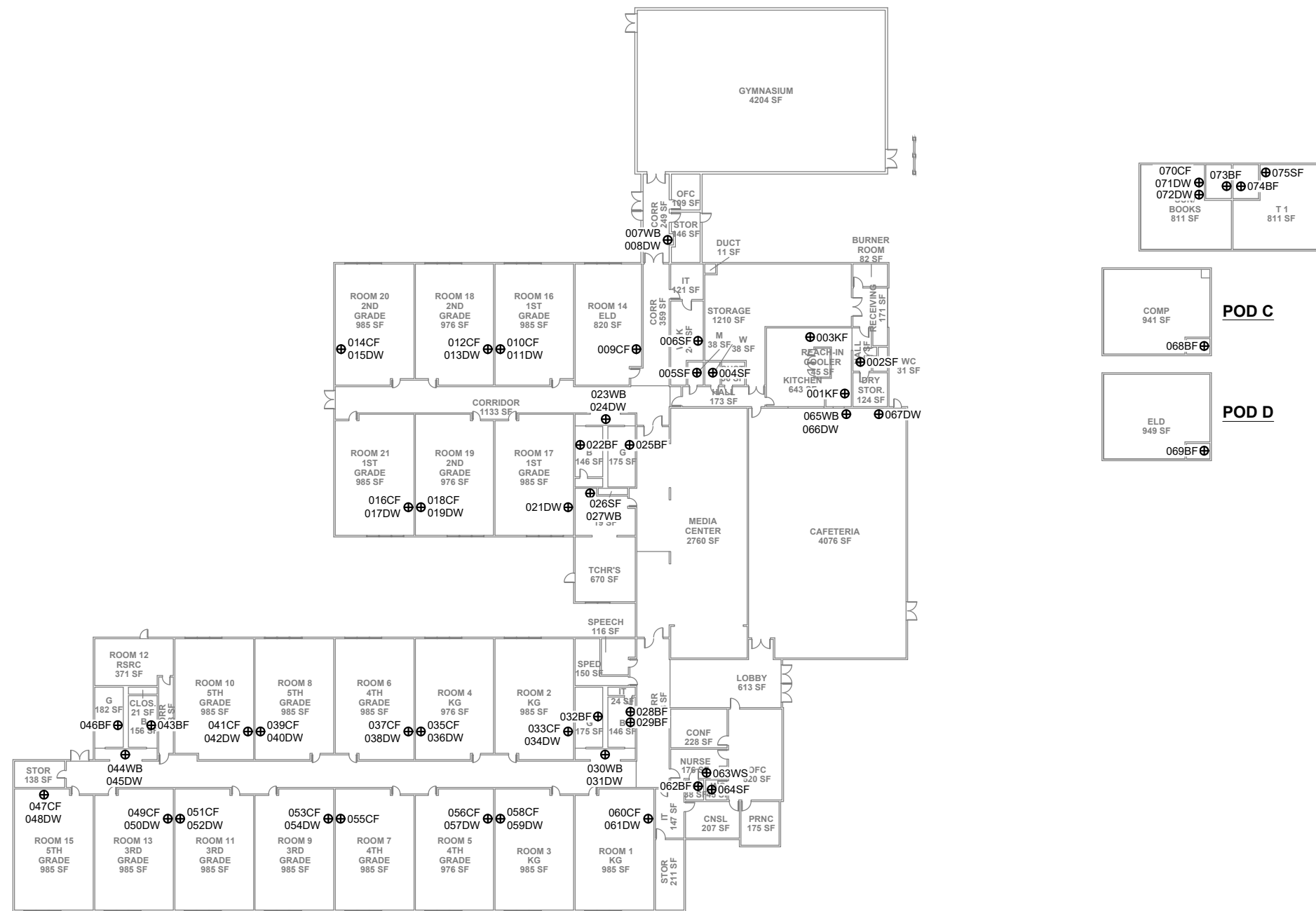
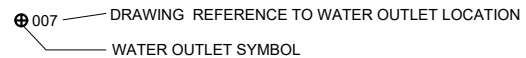
James Mastanduno
Project Manager

Attachments: Fixture Location Map
Laboratory Analytical Report

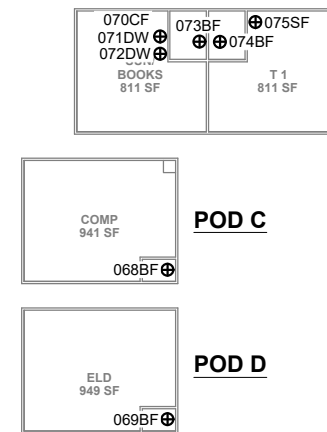
GENERAL NOTES

1. THIS DRAWING IS DIAGRAMMATIC. IT IS INTENDED TO SHOW OUTLET NUMBERS AND LOCATIONS RELATED TO DRINKING WATER SAMPLING.
2. IN SPACES WITH MULTIPLE OUTLETS, OUTLETS ARE NUMBERED CLOCKWISE FROM MAIN ENTRANCE UNLESS OTHERWISE SHOWN.

WATER OUTLET SYMBOLS



FIRST FLOOR



SCALE: 1" = 20'
0 10' 20' 40'

Filename: L:\Projects\23000\23500\23590\23514_186_2023_Water\CAD\004_HARTLEY\23514_186_001_004_DWI.dwg Layout Tab: 1X17 User: Jim Blanco CAD Plot Date/Time: 5/20/2023 11:38:28 AM

FULL SIZE SHEET FORMAT IS 24X36; IF PRINTED SIZE IS NOT 24X36, THEN THIS SHEET FORMAT HAS BEEN MODIFIED & INDICATED DRAWING SCALE IS NOT ACCURATE.



DRINKING WATER FIXTURE LOCATION PLAN
HARTLEY ELEMENTARY SCHOOL
701 NE 185TH PLACE, PORTLAND, OREGON

NO	REVISION	DATE	BY	APPD

DRAWN BY JAB
CHECKED: JH
DATE: MAY 2023
PROJECT NUMBER: 23514.186 0001 004
SHEET DRAWING NO: DW1
SHEET 1 OF 1

PREPARED FOR: REYNOLDS SCHOOL DISTRICT



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Wednesday, June 14, 2023

James Mastanduno
PBS Engineering and Environmental
4412 S Corbett Ave
Portland, OR 97239

RE: A3E1835 - Reynolds School District - Hartley ES/23514.186

Thank you for using Apex Laboratories. We greatly appreciate your business and strive to provide the highest quality services to the environmental industry.

Enclosed are the results of analyses for work order A3E1835, which was received by the laboratory on 5/30/2023 at 12:40:00PM.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: jwoodcock@apex-labs.com, or by phone at 503-718-2323.

Please note: All samples will be disposed of within 30 days of sample receipt, unless prior arrangements have been made.

Cooler Receipt Information

(See Cooler Receipt Form for details)

Default Cooler 18.3 degC

This Final Report is the official version of the data results for this sample submission, unless superseded by a subsequent, labeled amended report.

All other deliverables derived from this data, including Electronic Data Deliverables (EDDs), CLP-like forms, client requested summary sheets, and all other products are considered secondary to this report.



Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jason Woodcock, Project Manager



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503-718-2323
ORELAP ID: OR100062

PBS Engineering and Environmental 4412 S Corbett Ave Portland, OR 97239	Project: Reynolds School District Project Number: Hartley ES/23514.186 Project Manager: James Mastanduno	Report ID: A3E1835 - 06 14 23 1511
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ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
21820400-001KF23A	A3E1835-01	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-002SF23A	A3E1835-02	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-003KF23A	A3E1835-03	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-004SF23A	A3E1835-04	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-005SF23A	A3E1835-05	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-006CF23A	A3E1835-06	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-007WB23A	A3E1835-07	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-008DW23A	A3E1835-08	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-009CF23A	A3E1835-09	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-010CF23A	A3E1835-10	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-011DW23A	A3E1835-11	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-012CF23A	A3E1835-12	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-013DW23A	A3E1835-13	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-014CF23A	A3E1835-14	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-015DW23A	A3E1835-15	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-016CF23A	A3E1835-16	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-017DW23A	A3E1835-17	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-018CF23A	A3E1835-18	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-019DW23A	A3E1835-19	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-020CF23A	A3E1835-20	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-021DW23A	A3E1835-21	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-022BF23A	A3E1835-22	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-023WB23A	A3E1835-23	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-024DW23A	A3E1835-24	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-025BF23A	A3E1835-25	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-026SF23A	A3E1835-26	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-027WB23A	A3E1835-27	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-028BF23A	A3E1835-28	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-029BF23A	A3E1835-29	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-030WB23A	A3E1835-30	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-031DW23A	A3E1835-31	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-032BF23A	A3E1835-32	Drinking Water	05/23/23 00:00	05/30/23 12:40

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Jason Woodcock, Project Manager



ANALYTICAL REPORT

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503-718-2323
ORELAP ID: OR100062

PBS Engineering and Environmental 4412 S Corbett Ave Portland, OR 97239	Project: Reynolds School District Project Number: Hartley ES/23514.186 Project Manager: James Mastanduno	Report ID: A3E1835 - 06 14 23 1511
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ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
21820400-033CF23A	A3E1835-33	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-034DW23A	A3E1835-34	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-035CF23A	A3E1835-35	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-036DW23A	A3E1835-36	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-037CF23A	A3E1835-37	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-038DW23A	A3E1835-38	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-039CF23A	A3E1835-39	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-040DW23A	A3E1835-40	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-041CF23A	A3E1835-41	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-042DW23A	A3E1835-42	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-043BF23A	A3E1835-43	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-044WB23A	A3E1835-44	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-045DW23A	A3E1835-45	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-046BF23A	A3E1835-46	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-047CF23A	A3E1835-47	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-048DW23A	A3E1835-48	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-049CF23A	A3E1835-49	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-050DW23A	A3E1835-50	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-051CF23A	A3E1835-51	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-052DW23A	A3E1835-52	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-053CF23A	A3E1835-53	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-054DW23A	A3E1835-54	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-055CF23A	A3E1835-55	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-056CF23A	A3E1835-56	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-057DW23A	A3E1835-57	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-058CF23A	A3E1835-58	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-059DW23A	A3E1835-59	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-060CF23A	A3E1835-60	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-061DW23A	A3E1835-61	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-062BF23A	A3E1835-62	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-063NS23A	A3E1835-63	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-064SF23A	A3E1835-64	Drinking Water	05/23/23 00:00	05/30/23 12:40

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Jason Woodcock, Project Manager



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ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
21820400-065WB23A	A3E1835-65	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-066DW23A	A3E1835-66	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-067DW23A	A3E1835-67	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-068BF23A	A3E1835-68	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-069BF23A	A3E1835-69	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-070CF23A	A3E1835-70	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-071DW23A	A3E1835-71	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-073BF23A	A3E1835-72	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-074BF23A	A3E1835-73	Drinking Water	05/23/23 00:00	05/30/23 12:40
21820400-075CF23A	A3E1835-74	Drinking Water	05/23/23 00:00	05/30/23 12:40

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Jason Woodcock, Project Manager



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ANALYTICAL SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
21820400-001KF23A (A3E1835-01)				Matrix: Drinking Water				
<u>Batch: 23F0350</u>								
Lead	0.480	---	0.200	ug/L	1	06/09/23 17:38	EPA 200.8	
21820400-002SF23A (A3E1835-02)				Matrix: Drinking Water				
<u>Batch: 23F0350</u>								
Lead	3.57	---	0.200	ug/L	1	06/09/23 17:40	EPA 200.8	
21820400-003KF23A (A3E1835-03)				Matrix: Drinking Water				
<u>Batch: 23F0350</u>								
Lead	3.97	---	0.200	ug/L	1	06/09/23 17:41	EPA 200.8	
21820400-004SF23A (A3E1835-04)				Matrix: Drinking Water				
<u>Batch: 23F0350</u>								
Lead	0.838	---	0.200	ug/L	1	06/09/23 17:43	EPA 200.8	
21820400-005SF23A (A3E1835-05)				Matrix: Drinking Water				
<u>Batch: 23F0350</u>								
Lead	0.773	---	0.200	ug/L	1	06/09/23 17:44	EPA 200.8	
21820400-006CF23A (A3E1835-06)				Matrix: Drinking Water				
<u>Batch: 23F0350</u>								
Lead	15.2	---	0.200	ug/L	1	06/09/23 17:46	EPA 200.8	
21820400-007WB23A (A3E1835-07)				Matrix: Drinking Water				
<u>Batch: 23F0350</u>								
Lead	ND	---	0.200	ug/L	1	06/09/23 17:47	EPA 200.8	
21820400-008DW23A (A3E1835-08)				Matrix: Drinking Water				
<u>Batch: 23F0385</u>								
Lead	ND	---	0.200	ug/L	1	06/12/23 13:05	EPA 200.8	
21820400-009CF23A (A3E1835-09)				Matrix: Drinking Water				
<u>Batch: 23F0426</u>								
Lead	2.60	---	0.222	ug/L	1	06/14/23 00:07	EPA 200.8	DW-D
21820400-010CF23A (A3E1835-10)				Matrix: Drinking Water				

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PBS Engineering and Environmental 4412 S Corbett Ave Portland, OR 97239	Project: Reynolds School District Project Number: Hartley ES/23514.186 Project Manager: James Mastanduno	Report ID: A3E1835 - 06 14 23 1511
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ANALYTICAL SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
21820400-010CF23A (A3E1835-10)				Matrix: Drinking Water				
<u>Batch: 23F0385</u>								
Lead	4.15	---	0.200	ug/L	1	06/12/23 13:10	EPA 200.8	
21820400-011DW23A (A3E1835-11)				Matrix: Drinking Water				
<u>Batch: 23F0385</u>								
Lead	1.29	---	0.200	ug/L	1	06/12/23 13:11	EPA 200.8	
21820400-012CF23A (A3E1835-12)				Matrix: Drinking Water				
<u>Batch: 23F0385</u>								
Lead	3.01	---	0.200	ug/L	1	06/12/23 13:13	EPA 200.8	
21820400-013DW23A (A3E1835-13)				Matrix: Drinking Water				
<u>Batch: 23F0385</u>								
Lead	1.90	---	0.200	ug/L	1	06/12/23 13:14	EPA 200.8	
21820400-014CF23A (A3E1835-14)				Matrix: Drinking Water				
<u>Batch: 23F0385</u>								
Lead	0.265	---	0.200	ug/L	1	06/12/23 13:15	EPA 200.8	
21820400-015DW23A (A3E1835-15)				Matrix: Drinking Water				
<u>Batch: 23F0385</u>								
Lead	2.80	---	0.200	ug/L	1	06/12/23 13:22	EPA 200.8	
21820400-016CF23A (A3E1835-16)				Matrix: Drinking Water				
<u>Batch: 23F0385</u>								
Lead	0.679	---	0.200	ug/L	1	06/12/23 13:23	EPA 200.8	
21820400-017DW23A (A3E1835-17)				Matrix: Drinking Water				
<u>Batch: 23F0385</u>								
Lead	1.88	---	0.200	ug/L	1	06/12/23 13:25	EPA 200.8	
21820400-018CF23A (A3E1835-18)				Matrix: Drinking Water				
<u>Batch: 23F0385</u>								
Lead	0.859	---	0.200	ug/L	1	06/12/23 13:26	EPA 200.8	
21820400-019DW23A (A3E1835-19)				Matrix: Drinking Water				

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ANALYTICAL SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
21820400-019DW23A (A3E1835-19)				Matrix: Drinking Water				
<u>Batch: 23F0385</u>								
Lead	1.52	---	0.200	ug/L	1	06/12/23 13:28	EPA 200.8	
21820400-020CF23A (A3E1835-20)				Matrix: Drinking Water				
<u>Batch: 23F0385</u>								
Lead	1.17	---	0.200	ug/L	1	06/12/23 13:29	EPA 200.8	
21820400-021DW23A (A3E1835-21)				Matrix: Drinking Water				
<u>Batch: 23F0385</u>								
Lead	1.81	---	0.200	ug/L	1	06/12/23 13:31	EPA 200.8	
21820400-022BF23A (A3E1835-22)				Matrix: Drinking Water				
<u>Batch: 23F0385</u>								
Lead	2.49	---	0.200	ug/L	1	06/12/23 13:32	EPA 200.8	
21820400-023WB23A (A3E1835-23)				Matrix: Drinking Water				
<u>Batch: 23F0385</u>								
Lead	ND	---	0.200	ug/L	1	06/12/23 13:33	EPA 200.8	
21820400-024DW23A (A3E1835-24)				Matrix: Drinking Water				
<u>Batch: 23F0385</u>								
Lead	ND	---	0.200	ug/L	1	06/12/23 13:35	EPA 200.8	
21820400-025BF23A (A3E1835-25)				Matrix: Drinking Water				
<u>Batch: 23F0385</u>								
Lead	3.50	---	0.200	ug/L	1	06/12/23 13:39	EPA 200.8	
21820400-026SF23A (A3E1835-26)				Matrix: Drinking Water				
<u>Batch: 23F0385</u>								
Lead	1.34	---	0.200	ug/L	1	06/12/23 13:41	EPA 200.8	
21820400-027WB23A (A3E1835-27)				Matrix: Drinking Water				
<u>Batch: 23F0385</u>								
Lead	ND	---	0.200	ug/L	1	06/12/23 13:42	EPA 200.8	
21820400-028BF23A (A3E1835-28)				Matrix: Drinking Water				

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ANALYTICAL SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
21820400-028BF23A (A3E1835-28)				Matrix: Drinking Water				
<u>Batch: 23F0385</u>								
Lead	4.28	---	0.200	ug/L	1	06/12/23 13:43	EPA 200.8	
21820400-029BF23A (A3E1835-29)				Matrix: Drinking Water				
<u>Batch: 23F0403</u>								
Lead	5.32	---	0.200	ug/L	1	06/12/23 13:49	EPA 200.8	
21820400-030WB23A (A3E1835-30)				Matrix: Drinking Water				
<u>Batch: 23F0403</u>								
Lead	ND	---	0.200	ug/L	1	06/12/23 13:57	EPA 200.8	
21820400-031DW23A (A3E1835-31)				Matrix: Drinking Water				
<u>Batch: 23F0403</u>								
Lead	ND	---	0.200	ug/L	1	06/12/23 13:58	EPA 200.8	
21820400-032BF23A (A3E1835-32)				Matrix: Drinking Water				
<u>Batch: 23F0403</u>								
Lead	5.50	---	0.200	ug/L	1	06/12/23 13:59	EPA 200.8	
21820400-033CF23A (A3E1835-33)				Matrix: Drinking Water				
<u>Batch: 23F0403</u>								
Lead	3.18	---	0.200	ug/L	1	06/12/23 14:01	EPA 200.8	
21820400-034DW23A (A3E1835-34)				Matrix: Drinking Water				
<u>Batch: 23F0403</u>								
Lead	1.56	---	0.200	ug/L	1	06/12/23 14:02	EPA 200.8	
21820400-035CF23A (A3E1835-35)				Matrix: Drinking Water				
<u>Batch: 23F0403</u>								
Lead	1.94	---	0.200	ug/L	1	06/12/23 14:04	EPA 200.8	
21820400-036DW23A (A3E1835-36)				Matrix: Drinking Water				
<u>Batch: 23F0403</u>								
Lead	1.03	---	0.200	ug/L	1	06/12/23 14:05	EPA 200.8	
21820400-037CF23A (A3E1835-37)				Matrix: Drinking Water				

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ANALYTICAL SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
21820400-037CF23A (A3E1835-37)				Matrix: Drinking Water				
<u>Batch: 23F0403</u>								
Lead	8.28	---	0.200	ug/L	1	06/12/23 14:07	EPA 200.8	
21820400-038DW23A (A3E1835-38)				Matrix: Drinking Water				
<u>Batch: 23F0403</u>								
Lead	2.46	---	0.200	ug/L	1	06/12/23 14:08	EPA 200.8	
21820400-039CF23A (A3E1835-39)				Matrix: Drinking Water				
<u>Batch: 23F0403</u>								
Lead	4.41	---	0.200	ug/L	1	06/12/23 14:10	EPA 200.8	
21820400-040DW23A (A3E1835-40)				Matrix: Drinking Water				
<u>Batch: 23F0403</u>								
Lead	0.750	---	0.200	ug/L	1	06/12/23 14:16	EPA 200.8	
21820400-041CF23A (A3E1835-41)				Matrix: Drinking Water				
<u>Batch: 23F0403</u>								
Lead	0.834	---	0.200	ug/L	1	06/12/23 14:17	EPA 200.8	
21820400-042DW23A (A3E1835-42)				Matrix: Drinking Water				
<u>Batch: 23F0403</u>								
Lead	1.12	---	0.200	ug/L	1	06/12/23 14:18	EPA 200.8	
21820400-043BF23A (A3E1835-43)				Matrix: Drinking Water				
<u>Batch: 23F0403</u>								
Lead	4.45	---	0.200	ug/L	1	06/12/23 14:20	EPA 200.8	
21820400-044WB23A (A3E1835-44)				Matrix: Drinking Water				
<u>Batch: 23F0403</u>								
Lead	ND	---	0.200	ug/L	1	06/12/23 14:21	EPA 200.8	
21820400-045DW23A (A3E1835-45)				Matrix: Drinking Water				
<u>Batch: 23F0403</u>								
Lead	ND	---	0.200	ug/L	1	06/12/23 14:23	EPA 200.8	
21820400-046BF23A (A3E1835-46)				Matrix: Drinking Water				

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ANALYTICAL SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
21820400-046BF23A (A3E1835-46)				Matrix: Drinking Water				
Batch: 23F0403								
Lead	2.63	---	0.200	ug/L	1	06/12/23 14:24	EPA 200.8	
21820400-047CF23A (A3E1835-47)				Matrix: Drinking Water				
Batch: 23F0403								
Lead	5.89	---	0.200	ug/L	1	06/12/23 14:26	EPA 200.8	
21820400-048DW23A (A3E1835-48)				Matrix: Drinking Water				
Batch: 23F0403								
Lead	0.705	---	0.200	ug/L	1	06/12/23 14:27	EPA 200.8	
21820400-049CF23A (A3E1835-49)				Matrix: Drinking Water				
Batch: 23F0426								
Lead	10.2	---	0.222	ug/L	1	06/14/23 00:22	EPA 200.8	DW-D
21820400-050DW23A (A3E1835-50)				Matrix: Drinking Water				
Batch: 23F0404								
Lead	0.612	---	0.200	ug/L	1	06/12/23 14:36	EPA 200.8	
21820400-051CF23A (A3E1835-51)				Matrix: Drinking Water				
Batch: 23F0404								
Lead	1.96	---	0.200	ug/L	1	06/12/23 14:40	EPA 200.8	
21820400-052DW23A (A3E1835-52)				Matrix: Drinking Water				
Batch: 23F0404								
Lead	0.515	---	0.200	ug/L	1	06/12/23 14:42	EPA 200.8	
21820400-053CF23A (A3E1835-53)				Matrix: Drinking Water				
Batch: 23F0404								
Lead	3.22	---	0.200	ug/L	1	06/12/23 14:43	EPA 200.8	
21820400-054DW23A (A3E1835-54)				Matrix: Drinking Water				
Batch: 23F0404								
Lead	2.48	---	0.200	ug/L	1	06/12/23 14:45	EPA 200.8	
21820400-055CF23A (A3E1835-55)				Matrix: Drinking Water				

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ANALYTICAL SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
21820400-055CF23A (A3E1835-55)				Matrix: Drinking Water				
<u>Batch: 23F0404</u>								
Lead	8.54	---	0.200	ug/L	1	06/12/23 14:46	EPA 200.8	
21820400-056CF23A (A3E1835-56)				Matrix: Drinking Water				
<u>Batch: 23F0404</u>								
Lead	2.51	---	0.200	ug/L	1	06/12/23 14:50	EPA 200.8	
21820400-057DW23A (A3E1835-57)				Matrix: Drinking Water				
<u>Batch: 23F0404</u>								
Lead	4.97	---	0.200	ug/L	1	06/12/23 14:52	EPA 200.8	
21820400-058CF23A (A3E1835-58)				Matrix: Drinking Water				
<u>Batch: 23F0404</u>								
Lead	0.685	---	0.200	ug/L	1	06/12/23 14:53	EPA 200.8	
21820400-059DW23A (A3E1835-59)				Matrix: Drinking Water				
<u>Batch: 23F0404</u>								
Lead	0.414	---	0.200	ug/L	1	06/12/23 14:55	EPA 200.8	
21820400-060CF23A (A3E1835-60)				Matrix: Drinking Water				
<u>Batch: 23F0404</u>								
Lead	1.41	---	0.200	ug/L	1	06/12/23 14:56	EPA 200.8	
21820400-061DW23A (A3E1835-61)				Matrix: Drinking Water				
<u>Batch: 23F0404</u>								
Lead	1.60	---	0.200	ug/L	1	06/12/23 14:58	EPA 200.8	
21820400-062BF23A (A3E1835-62)				Matrix: Drinking Water				
<u>Batch: 23F0404</u>								
Lead	0.473	---	0.200	ug/L	1	06/12/23 14:59	EPA 200.8	
21820400-063NS23A (A3E1835-63)				Matrix: Drinking Water				
<u>Batch: 23F0404</u>								
Lead	0.904	---	0.200	ug/L	1	06/12/23 15:01	EPA 200.8	
21820400-064SF23A (A3E1835-64)				Matrix: Drinking Water				

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ANALYTICAL SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
21820400-064SF23A (A3E1835-64)				Matrix: Drinking Water				
<u>Batch: 23F0404</u>								
Lead	0.297	---	0.200	ug/L	1	06/12/23 15:02	EPA 200.8	
21820400-065WB23A (A3E1835-65)				Matrix: Drinking Water				
<u>Batch: 23F0404</u>								
Lead	ND	---	0.200	ug/L	1	06/12/23 15:03	EPA 200.8	
21820400-066DW23A (A3E1835-66)				Matrix: Drinking Water				
<u>Batch: 23F0404</u>								
Lead	ND	---	0.200	ug/L	1	06/12/23 15:08	EPA 200.8	
21820400-067DW23A (A3E1835-67)				Matrix: Drinking Water				
<u>Batch: 23F0404</u>								
Lead	ND	---	0.200	ug/L	1	06/12/23 15:09	EPA 200.8	
21820400-068BF23A (A3E1835-68)				Matrix: Drinking Water				
<u>Batch: 23F0404</u>								
Lead	2.04	---	0.200	ug/L	1	06/12/23 15:11	EPA 200.8	
21820400-069BF23A (A3E1835-69)				Matrix: Drinking Water				
<u>Batch: 23F0404</u>								
Lead	1.02	---	0.200	ug/L	1	06/12/23 15:12	EPA 200.8	
21820400-070CF23A (A3E1835-70)				Matrix: Drinking Water				
<u>Batch: 23F0415</u>								
Lead	1.70	---	0.200	ug/L	1	06/12/23 15:59	EPA 200.8	
21820400-071DW23A (A3E1835-71)				Matrix: Drinking Water				
<u>Batch: 23F0415</u>								
Lead	0.394	---	0.200	ug/L	1	06/12/23 16:04	EPA 200.8	
21820400-073BF23A (A3E1835-72)				Matrix: Drinking Water				
<u>Batch: 23F0415</u>								
Lead	0.831	---	0.200	ug/L	1	06/12/23 16:05	EPA 200.8	
21820400-074BF23A (A3E1835-73)				Matrix: Drinking Water				

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ANALYTICAL SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
21820400-074BF23A (A3E1835-73)				Matrix: Drinking Water				
<u>Batch: 23F0415</u>								
Lead	3.32	---	0.200	ug/L	1	06/12/23 16:07	EPA 200.8	
21820400-075CF23A (A3E1835-74)				Matrix: Drinking Water				
<u>Batch: 23F0415</u>								
Lead	0.905	---	0.200	ug/L	1	06/12/23 16:08	EPA 200.8	

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QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC % REC	% REC Limits	RPD RPD	RPD Limit	Notes
Batch 23F0350 - EPA 200.8 Direct Analysis						Drinking Water						
Blank (23F0350-BLK1)		Prepared: 06/09/23 15:38 Analyzed: 06/09/23 17:05										
<u>EPA 200.8</u>												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	---
LCS (23F0350-BS1)		Prepared: 06/09/23 15:38 Analyzed: 06/09/23 17:06										
<u>EPA 200.8</u>												
Lead	16.1	---	0.201	ug/L	1	15.0	---	108	85 - 115%	---	---	---
Batch 23F0385 - EPA 200.8 Direct Analysis						Drinking Water						
Blank (23F0385-BLK1)		Prepared: 06/12/23 08:39 Analyzed: 06/12/23 13:02										
<u>EPA 200.8</u>												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	---
LCS (23F0385-BS1)		Prepared: 06/12/23 08:39 Analyzed: 06/12/23 13:04										
<u>EPA 200.8</u>												
Lead	15.7	---	0.201	ug/L	1	15.0	---	105	85 - 115%	---	---	---
Duplicate (23F0385-DUP1)		Prepared: 06/12/23 08:39 Analyzed: 06/12/23 13:07										
<u>QC Source Sample: 21820400-008DW23A (A3E1835-08)</u>												
<u>EPA 200.8</u>												
Lead	ND	---	0.200	ug/L	1	---	ND	---	---	---	---	20%
Matrix Spike (23F0385-MS1)		Prepared: 06/12/23 08:39 Analyzed: 06/12/23 13:08										
<u>QC Source Sample: 21820400-008DW23A (A3E1835-08)</u>												
<u>EPA 200.8</u>												
Lead	14.3	---	0.201	ug/L	1	15.0	ND	96	70 - 130%	---	---	---
Matrix Spike (23F0385-MS2)		Prepared: 06/12/23 08:39 Analyzed: 06/12/23 13:45										
<u>QC Source Sample: 21820400-028BF23A (A3E1835-28)</u>												
<u>EPA 200.8</u>												
Lead	19.4	---	0.201	ug/L	1	15.0	4.28	101	70 - 130%	---	---	---

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503-718-2323
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PBS Engineering and Environmental 4412 S Corbett Ave Portland, OR 97239	Project: Reynolds School District Project Number: Hartley ES/23514.186 Project Manager: James Mastanduno	Report ID: A3E1835 - 06 14 23 1511
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QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC % REC	% REC Limits	RPD RPD	RPD Limit	Notes
Batch 23F0403 - EPA 200.8 Direct Analysis						Drinking Water						
Blank (23F0403-BLK1)		Prepared: 06/12/23 11:22 Analyzed: 06/12/23 13:46										
<u>EPA 200.8</u>												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	---
LCS (23F0403-BS1)		Prepared: 06/12/23 11:22 Analyzed: 06/12/23 13:48										
<u>EPA 200.8</u>												
Lead	15.4	---	0.201	ug/L	1	15.0	---	103	85 - 115%	---	---	---
Duplicate (23F0403-DUP1)		Prepared: 06/12/23 11:22 Analyzed: 06/12/23 13:51										
<u>QC Source Sample: 21820400-029BF23A (A3E1835-29)</u>												
<u>EPA 200.8</u>												
Lead	5.13	---	0.200	ug/L	1	---	5.32	---	---	4	20%	---
Matrix Spike (23F0403-MS1)		Prepared: 06/12/23 11:22 Analyzed: 06/12/23 13:52										
<u>QC Source Sample: 21820400-029BF23A (A3E1835-29)</u>												
<u>EPA 200.8</u>												
Lead	19.7	---	0.201	ug/L	1	15.0	5.32	96	70 - 130%	---	---	---
Matrix Spike (23F0403-MS2)		Prepared: 06/12/23 11:22 Analyzed: 06/12/23 14:29										
<u>QC Source Sample: 21820400-048DW23A (A3E1835-48)</u>												
<u>EPA 200.8</u>												
Lead	15.4	---	0.201	ug/L	1	15.0	0.705	98	70 - 130%	---	---	---

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QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC % REC	% REC Limits	RPD RPD	RPD Limit	Notes
Batch 23F0404 - EPA 200.8 Direct Analysis						Drinking Water						
Blank (23F0404-BLK1)		Prepared: 06/12/23 12:10 Analyzed: 06/12/23 14:33										
<u>EPA 200.8</u>												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	---
LCS (23F0404-BS1)		Prepared: 06/12/23 12:10 Analyzed: 06/12/23 14:34										
<u>EPA 200.8</u>												
Lead	14.9	---	0.201	ug/L	1	15.0	---	99	85 - 115%	---	---	---
Duplicate (23F0404-DUP1)		Prepared: 06/12/23 12:10 Analyzed: 06/12/23 14:37										
<u>QC Source Sample: 21820400-050DW23A (A3E1835-50)</u>												
<u>EPA 200.8</u>												
Lead	0.619	---	0.200	ug/L	1	---	0.612	---	---	1	20%	---
Matrix Spike (23F0404-MS1)		Prepared: 06/12/23 12:10 Analyzed: 06/12/23 14:39										
<u>QC Source Sample: 21820400-050DW23A (A3E1835-50)</u>												
<u>EPA 200.8</u>												
Lead	15.5	---	0.201	ug/L	1	15.0	0.612	99	70 - 130%	---	---	---
Matrix Spike (23F0404-MS2)		Prepared: 06/12/23 12:10 Analyzed: 06/12/23 15:14										
<u>QC Source Sample: 21820400-069BF23A (A3E1835-69)</u>												
<u>EPA 200.8</u>												
Lead	15.9	---	0.201	ug/L	1	15.0	1.02	99	70 - 130%	---	---	---

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QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23F0415 - EPA 200.8 Direct Analysis						Drinking Water						
Blank (23F0415-BLK1)		Prepared: 06/12/23 14:01 Analyzed: 06/12/23 15:56										
<u>EPA 200.8</u>												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	---
LCS (23F0415-BS1)		Prepared: 06/12/23 14:01 Analyzed: 06/12/23 15:58										
<u>EPA 200.8</u>												
Lead	14.8	---	0.201	ug/L	1	15.0	---	99	85 - 115%	---	---	---
Duplicate (23F0415-DUP1)		Prepared: 06/12/23 14:01 Analyzed: 06/12/23 16:01										
<u>QC Source Sample: 21820400-070CF23A (A3E1835-70)</u>												
<u>EPA 200.8</u>												
Lead	1.69	---	0.200	ug/L	1	---	1.70	---	---	0.3	20%	---
Matrix Spike (23F0415-MS1)		Prepared: 06/12/23 14:01 Analyzed: 06/12/23 16:02										
<u>QC Source Sample: 21820400-070CF23A (A3E1835-70)</u>												
<u>EPA 200.8</u>												
Lead	15.5	---	0.201	ug/L	1	15.0	1.70	92	70 - 130%	---	---	---

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QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC % REC	% REC Limits	RPD RPD	RPD Limit	Notes
Batch 23F0426 - EPA 3015A						Drinking Water						
Blank (23F0426-BLK1)		Prepared: 06/13/23 06:52 Analyzed: 06/13/23 23:56										
<u>EPA 200.8</u>												
Lead	ND	---	0.222	ug/L	1	---	---	---	---	---	---	---
LCS (23F0426-BS1)		Prepared: 06/13/23 06:52 Analyzed: 06/14/23 00:01										
<u>EPA 200.8</u>												
Lead	17.7	---	0.222	ug/L	1	16.7	---	106	85 - 115%	---	---	---
Duplicate (23F0426-DUP1)		Prepared: 06/13/23 06:52 Analyzed: 06/14/23 00:12										
<u>QC Source Sample: 21820400-009CF23A (A3E1835-09)</u>												
<u>EPA 200.8</u>												
Lead	2.61	---	0.222	ug/L	1	---	2.60	---	---	0.2	20%	DW-D
Matrix Spike (23F0426-MS1)		Prepared: 06/13/23 06:52 Analyzed: 06/14/23 00:17										
<u>QC Source Sample: 21820400-009CF23A (A3E1835-09)</u>												
<u>EPA 200.8</u>												
Lead	20.2	---	0.222	ug/L	1	16.7	2.60	106	70 - 130%	---	---	DW-D

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SAMPLE PREPARATION INFORMATION

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Prep: EPA 200.8 Direct Analysis

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 23F0350</u>							
A3E1835-01	Drinking Water	EPA 200.8	05/23/23 00:00	06/09/23 15:38	10mL/10mL	10mL/10mL	1.00
A3E1835-02	Drinking Water	EPA 200.8	05/23/23 00:00	06/09/23 15:38	10mL/10mL	10mL/10mL	1.00
A3E1835-03	Drinking Water	EPA 200.8	05/23/23 00:00	06/09/23 15:38	10mL/10mL	10mL/10mL	1.00
A3E1835-04	Drinking Water	EPA 200.8	05/23/23 00:00	06/09/23 15:38	10mL/10mL	10mL/10mL	1.00
A3E1835-05	Drinking Water	EPA 200.8	05/23/23 00:00	06/09/23 15:38	10mL/10mL	10mL/10mL	1.00
A3E1835-06	Drinking Water	EPA 200.8	05/23/23 00:00	06/09/23 15:38	10mL/10mL	10mL/10mL	1.00
A3E1835-07	Drinking Water	EPA 200.8	05/23/23 00:00	06/09/23 15:38	10mL/10mL	10mL/10mL	1.00
<u>Batch: 23F0385</u>							
A3E1835-08	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 08:39	10mL/10mL	10mL/10mL	1.00
A3E1835-10	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 08:39	10mL/10mL	10mL/10mL	1.00
A3E1835-11	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 08:39	10mL/10mL	10mL/10mL	1.00
A3E1835-12	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 08:39	10mL/10mL	10mL/10mL	1.00
A3E1835-13	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 08:39	10mL/10mL	10mL/10mL	1.00
A3E1835-14	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 08:39	10mL/10mL	10mL/10mL	1.00
A3E1835-15	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 08:39	10mL/10mL	10mL/10mL	1.00
A3E1835-16	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 08:39	10mL/10mL	10mL/10mL	1.00
A3E1835-17	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 08:39	10mL/10mL	10mL/10mL	1.00
A3E1835-18	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 08:39	10mL/10mL	10mL/10mL	1.00
A3E1835-19	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 08:39	10mL/10mL	10mL/10mL	1.00
A3E1835-20	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 08:39	10mL/10mL	10mL/10mL	1.00
A3E1835-21	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 08:39	10mL/10mL	10mL/10mL	1.00
A3E1835-22	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 08:39	10mL/10mL	10mL/10mL	1.00
A3E1835-23	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 08:39	10mL/10mL	10mL/10mL	1.00
A3E1835-24	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 08:39	10mL/10mL	10mL/10mL	1.00
A3E1835-25	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 08:39	10mL/10mL	10mL/10mL	1.00
A3E1835-26	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 08:39	10mL/10mL	10mL/10mL	1.00
A3E1835-27	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 08:39	10mL/10mL	10mL/10mL	1.00
A3E1835-28	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 08:39	10mL/10mL	10mL/10mL	1.00
<u>Batch: 23F0403</u>							
A3E1835-29	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 11:22	10mL/10mL	10mL/10mL	1.00
A3E1835-30	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 11:22	10mL/10mL	10mL/10mL	1.00
A3E1835-31	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 11:22	10mL/10mL	10mL/10mL	1.00
A3E1835-32	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 11:22	10mL/10mL	10mL/10mL	1.00
A3E1835-33	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 11:22	10mL/10mL	10mL/10mL	1.00
A3E1835-34	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 11:22	10mL/10mL	10mL/10mL	1.00

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SAMPLE PREPARATION INFORMATION

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Prep: EPA 200.8 Direct Analysis

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A3E1835-35	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 11:22	10mL/10mL	10mL/10mL	1.00
A3E1835-36	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 11:22	10mL/10mL	10mL/10mL	1.00
A3E1835-37	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 11:22	10mL/10mL	10mL/10mL	1.00
A3E1835-38	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 11:22	10mL/10mL	10mL/10mL	1.00
A3E1835-39	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 11:22	10mL/10mL	10mL/10mL	1.00
A3E1835-40	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 11:22	10mL/10mL	10mL/10mL	1.00
A3E1835-41	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 11:22	10mL/10mL	10mL/10mL	1.00
A3E1835-42	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 11:22	10mL/10mL	10mL/10mL	1.00
A3E1835-43	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 11:22	10mL/10mL	10mL/10mL	1.00
A3E1835-44	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 11:22	10mL/10mL	10mL/10mL	1.00
A3E1835-45	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 11:22	10mL/10mL	10mL/10mL	1.00
A3E1835-46	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 11:22	10mL/10mL	10mL/10mL	1.00
A3E1835-47	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 11:22	10mL/10mL	10mL/10mL	1.00
A3E1835-48	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 11:22	10mL/10mL	10mL/10mL	1.00

Batch: 23F0404

A3E1835-50	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 12:10	10mL/10mL	10mL/10mL	1.00
A3E1835-51	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 12:10	10mL/10mL	10mL/10mL	1.00
A3E1835-52	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 12:10	10mL/10mL	10mL/10mL	1.00
A3E1835-53	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 12:10	10mL/10mL	10mL/10mL	1.00
A3E1835-54	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 12:10	10mL/10mL	10mL/10mL	1.00
A3E1835-55	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 12:10	10mL/10mL	10mL/10mL	1.00
A3E1835-56	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 12:10	10mL/10mL	10mL/10mL	1.00
A3E1835-57	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 12:10	10mL/10mL	10mL/10mL	1.00
A3E1835-58	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 12:10	10mL/10mL	10mL/10mL	1.00
A3E1835-59	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 12:10	10mL/10mL	10mL/10mL	1.00
A3E1835-60	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 12:10	10mL/10mL	10mL/10mL	1.00
A3E1835-61	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 12:10	10mL/10mL	10mL/10mL	1.00
A3E1835-62	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 12:10	10mL/10mL	10mL/10mL	1.00
A3E1835-63	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 12:10	10mL/10mL	10mL/10mL	1.00
A3E1835-64	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 12:10	10mL/10mL	10mL/10mL	1.00
A3E1835-65	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 12:10	10mL/10mL	10mL/10mL	1.00
A3E1835-66	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 12:10	10mL/10mL	10mL/10mL	1.00
A3E1835-67	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 12:10	10mL/10mL	10mL/10mL	1.00
A3E1835-68	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 12:10	10mL/10mL	10mL/10mL	1.00
A3E1835-69	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 12:10	10mL/10mL	10mL/10mL	1.00

Batch: 23F0415

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SAMPLE PREPARATION INFORMATION

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

<u>Prep: EPA 200.8 Direct Analysis</u>					Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
A3E1835-70	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 14:01	10mL/10mL	10mL/10mL	1.00
A3E1835-71	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 14:01	10mL/10mL	10mL/10mL	1.00
A3E1835-72	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 14:01	10mL/10mL	10mL/10mL	1.00
A3E1835-73	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 14:01	10mL/10mL	10mL/10mL	1.00
A3E1835-74	Drinking Water	EPA 200.8	05/23/23 00:00	06/12/23 14:01	10mL/10mL	10mL/10mL	1.00

<u>Prep: EPA 3015A</u>					Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
<u>Batch: 23F0426</u>							
A3E1835-09	Drinking Water	EPA 200.8	05/23/23 00:00	06/13/23 06:52	45mL/50mL	10mL/10mL	1.11
A3E1835-49	Drinking Water	EPA 200.8	05/23/23 00:00	06/13/23 06:52	45mL/50mL	10mL/10mL	1.11

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Jason Woodcock, Project Manager



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

<u>PBS Engineering and Environmental</u>	Project: <u>Reynolds School District</u>	<u>Report ID:</u>
4412 S Corbett Ave	Project Number: Hartley ES/23514.186	A3E1835 - 06 14 23 1511
Portland, OR 97239	Project Manager: James Mastanduno	

QUALIFIER DEFINITIONS

Client Sample and Quality Control (QC) Sample Qualifier Definitions:

Apex Laboratories

DW-D Turbidity greater than 1 NTU. Sample was digested per EPA Method 200.8.

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REPORTING NOTES AND CONVENTIONS:

Abbreviations:

- DET Analyte DETECTED at or above the detection or reporting limit.
- ND Analyte NOT DETECTED at or above the detection or reporting limit.
- NR Result Not Reported.
- RPD Relative Percent Difference. RPDs for Matrix Spikes and Matrix Spike Duplicates are based on concentration, not recovery.

Detection Limits: Limit of Detection (LOD)

Limits of Detection (LODs) are normally set at a level of one half the validated Limit of Quantitation (LOQ).
If no value is listed ('----'), then the data has not been evaluated below the Reporting Limit.

Reporting Limits: Limit of Quantitation (LOQ)

Validated Limits of Quantitation (LOQs) are reported as the Reporting Limits for all analyses where the LOQ, MRL, PQL or CRL are requested. The LOQ represents a level at or above the low point of the calibration curve, that has been validated according to Apex Laboratories' comprehensive LOQ policies and procedures.

Reporting Conventions:

- Basis: Results for soil samples are generally reported on a 100% dry weight basis.
The Result Basis is listed following the units as "dry", "wet", or "" (blank) designation.
- "dry" Sample results and Reporting Limits are reported on a dry weight basis. (i.e. "ug/kg dry")
See Percent Solids section for details of dry weight analysis.
- "wet" Sample results and Reporting Limits for this analysis are normally dry weight corrected, but have not been modified in this case.
- "" Results without 'wet' or 'dry' designation are not normally dry weight corrected. These results are considered 'As Received'.

QC Source:

In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) may be analyzed to demonstrate accuracy and precision of the extraction batch.

Non-Client Batch QC Samples (Duplicates and Matrix Spike/Duplicates) are not included in this report. Please request a Full QC report if this data is required.

Miscellaneous Notes:

- " --- " QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.
- " *** " Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

Blanks:

Standard practice is to evaluate the results from Blank QC Samples down to a level equal to ½ the Reporting Limit (RL).
-For Blank hits falling between ½ the RL and the RL (J flagged hits), the associated sample and QC data will receive a 'B-02' qualifier.
-For Blank hits above the RL, the associated sample and QC data will receive a 'B' qualifier, per Apex Laboratories' Blank Policy.
For further details, please request a copy of this document.

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REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks (Cont.):

Sample results flagged with a 'B' or 'B-02' qualifier are potentially biased high if the sample results are less than ten times the level found in the blank for inorganic analyses, or less than five times the level found in the blank for organic analyses.

'B' and 'B-02' qualifications are only applied to sample results detected above the Reporting Level.

Preparation Notes:

Mixed Matrix Samples:

Water Samples:

Water samples containing significant amounts of sediment are decanted or separated prior to extraction, and only the water portion analyzed, unless otherwise directed by the client.

Soil and Sediment Samples:

Soil and Sediment samples containing significant amounts of water are decanted prior to extraction, and only the solid portion analyzed, unless otherwise directed by the client.

Sampling and Preservation Notes:

Certain regulatory programs, such as National Pollutant Discharge Elimination System (NPDES), require that activities such as sample filtration (for dissolved metals, orthophosphate, hexavalent chromium, etc.) and testing of short hold analytes (pH, Dissolved Oxygen, etc.) be performed in the field (on-site) within a short time window. In addition, sample matrix spikes are required for some analyses, and sufficient volume must be provided, and billable site specific QC requested, if this is required. All regulatory permits should be reviewed to ensure that these requirements are being met.

Data users should be aware of which regulations pertain to the samples they submit for testing. If related sample collection activities are not approved for a particular regulatory program, results should be considered estimates. Apex Laboratories will qualify these analytes according to the most stringent requirements, however results for samples that are for non-regulatory purposes may be acceptable.

Samples that have been filtered and preserved at Apex Laboratories per client request are listed in the preparation section of the report with the date and time of filtration listed.

Apex Laboratories maintains detailed records on sample receipt, including client label verification, cooler temperature, sample preservation, hold time compliance and field filtration. Data is qualified as necessary, and the lack of qualification indicates compliance with required parameters.

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LABORATORY ACCREDITATION INFORMATION

ORELAP Certification ID: OR100062 (Primary Accreditation)

EPA ID: OR01039

All methods and analytes reported from work performed at Apex Laboratories are included on Apex Laboratories' ORELAP Scope of Certification, with the exception of any analyte(s) listed below:

Apex Laboratories

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation
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All reported analytes are included in Apex Laboratories' current ORELAP scope.

Secondary Accreditations

Apex Laboratories also maintains reciprocal accreditation with non-TNI states (Washington DOE), as well as other state specific accreditations not listed here.

Subcontract Laboratory Accreditations

Subcontracted data falls outside of Apex Laboratories' Scope of Accreditation. Please see the Subcontract Laboratory report for full details, or contact your Project Manager for more information.

Field Testing Parameters

Results for Field Tested data are provided by the client or sampler, and fall outside of Apex Laboratories' Scope of Accreditation.

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A3E1835

Lead in Drinking Water Testing Program		Reynolds School District	
Date Collected:	5-23-23	PBS Project:	23514.186
School Name:	Hartley Elementary	Building Number:	21820400
Analysis Requested:	Lead (Pb) in drinking water		
Relinquished By:	Jose Herrera	Date/Time:	5/29/23 10900
Received By:	James Mastanduno	Date/Time:	5/30/23 1240
Email Results to:	james.mastanduno@pbsusa.com	Turnaround Time:	10 - Day

Fixture Number	Sample Number	Room/Location
001 CF	21820400-001CF23A	Kitchen, SE, sink
002 SF	" -002SF23A	Kitchen, staff sink near restroom
003 CF	" -003CF23A	Kitchen, north wall sink
004 SF	" -004SF23A	Hallway to kitchen, staff RR, east, sink
005 SF	" -005SF23A	Hallway to kitchen, staff RR, west, sink
006 CF	" -006CF23A	workroom sink
007 WB	" -007WB23A	Gym Hallway, drinking fountain, water fill station
008 DW	" -008DW23A	Gym Hallway, drinking fountain
009 CF	" -009CF23A	Rm 14 sink
010 CF	" -010CF23A	Rm 16 sink
011 DW	" -011DW23A	Rm 16 fountain & sink
012 CF	" -012CF23A	Rm 18 sink
013 DW	" -013DW23A	Rm 18 fountain & sink
014 CF	" -014CF23A	Rm 20 sink
015 DW	" -015DW23A	Rm 20 fountain & sink
016 CF	" -016CF23A	Rm 21 sink
017 DW	" -017DW23A	Rm 21 fountain & sink
018 CF	" -018CF23A	Rm 19 sink
019 DW	" -019DW23A	Rm 19 fountain & sink
020 CF	" -020CF23A	Rm 17 sink
021 DW	" -021DW23A	Rm 17 fountain & sink
022 BF	" -022BF23A	1st/2nd grade hall, boys RR sink
023 WB	" -023WB23A	1st/2nd grade hall, drinking fountain, water fill station
024 DW	" -024DW23A	1st/2nd grade hall, drinking fountain
025 BF	" -025BF23A	1st/2nd grade hall, girls RR sink
026 SF	" -026SF23A	Teacher lounge sink
027 WB	" -027WB23A	Teacher lounge sink water fill station
028 BF	" -028BF23A	SE Hall, boys RR sink, north
029 BF	" -029BF23A	" " " " south
030 WB	" -030WB23A	SE Hall, drinking fountain, water fill station
031 DW	" -031DW23A	SE Hall, drinking fountain
032 BF	" -032BF23A	SE Hall, girls RR
033 CF	" -033CF23A	Rm 2 sink
034 DW	" -034DW23A	Rm 2 fountain & sink
035 CF	" -035CF23A	Rm 4 sink
036 DW	" -036DW23A	Rm 4 fountain & sink
037 CF	" -037CF23A	Rm 6 sink
038 DW	" -038DW23A	Rm 6 fountain & sink

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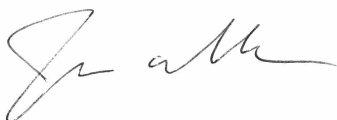
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4412 S Corbett Ave	Project Number: Hartley ES/23514.186	Report ID:
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A3E1835

Lead in Drinking Water Testing Program		Reynolds School District	
Date Collected:	S. 23-23	PBS Project:	23514.186
School Name:	Hartley Elementary	Building Number:	2182.0400
Analysis Requested:	Lead (Pb) in drinking water		
Relinquished By:	Jose Herrera	Date/Time:	5/29/23 - 0900
Received By:	GW APEX LABS	Date/Time:	5/30/23 1240
Email Results to:	james.mastanduno@pbsusa.com	Turnaround Time:	10 - Day

Fixture Number	Sample Number	Room/Location
039 CF	21820400-039CF23A	Rm 8 sink
040 DW	" - 040DW23A	Rm 8 fountain @ sink
041 CF	-041CF23A	Rm 10 sink
042 DW	-042DW23A	Rm 10 fountain @ sink
043 BF	-043BF23A	South Hall, west boys RR sink
044 WB	-044WB23A	South Hall, west, drinking fountain, water fill station
045 DW	-045DW23A	South Hall, west, drinking fountain
046 BF	-046BF23A	South Hall, west, girls RR
047 CF	-047CF23A	Rm 15 sink
048 DW	-048DW23A	Rm 15 fountain @ sink
049 CF	-049CF23A	Rm 13 sink
050 DW	-050DW23A	Rm 13 fountain @ sink
051 CF	-051CF23A	Rm 11 sink
052 DW	-052DW23A	Rm 11 fountain @ sink
053 CF	-053CF23A	Rm 9 sink
054 DW	-054DW23A	Rm 9 fountain @ sink
055 CF	-055CF23A	Rm 7 sink
056 BF	-056BF23A	Rm 5 sink
057 DW	-057DW23A	Rm 5 fountain @ sink
058 CF	-058CF23A	Rm 3 sink
059 DW	-059DW23A	Rm 3 fountain @ sink
060 CF	-060CF23A	Rm 1 sink
061 DW	-061DW23A	Rm 1 fountain @ sink
062 BF	-062BF23A	Front office, staff RR, west, single
063 NS	-063NS23A	Nurse office
064 SF	-064SF23A	Front office, staff RR, east, single
065 WB	-065WB23A	Cafeteria, drinking fountain, under fill station
066 DW	-066DW23A	Cafeteria, drinking fountain, west
067 DW	-067DW23A	Cafeteria, drinking fountain, east
068 BF	-068BF23A	Pod C, RR sink
069 BF	-069BF23A	Pod D, RR sink
070 CF	-070CF23A	North Pod (2 Room), Sun/Bowles Rm, sink
071 DW	-071DW23A	" " fountain @ sink
* 072 DW	-072DW23A	" " fountain, South
073 BF	-073BF23A	North Pod (2 Room), Sun/Bowles Rm, RR Sink
074 BF	-074BF23A	North Pod (2 Room), east, RR sink
075 CF	-075CF23A	North Pod (2 Room), east, classroom sink





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APEX LABS COOLER RECEIPT FORM

Client: PBS Element WO#: A3 E1835
 Project/Project #: Hartley Elementary 23514.186 21020400

Delivery Info:
 Date/time received: 5/30/23 @ 1240 By: EST
 Delivered by: Apex Client ESS FedEx UPS Radio Morgan SDS Evergreen Other

Cooler Inspection Date/time inspected: 5/30/23 @ 1405 By: EST
 Chain of Custody included? Yes No
 Signed/dated by client? Yes No

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	<u>18.3</u>						
Custody seals? (Y/N)	<u>N</u>						
Received on ice? (Y/N)	<u>N</u>						
Temp. blanks? (Y/N)	<u>N</u>						
Ice type: (Gel/Real/Other)	<u>NA</u>						
Condition (In/Out):	<u>OUT</u>						

Cooler out of temp? (Y/N) Possible reason why: Drinking waters
 Green dots applied to out of temperature samples? Yes No
 Out of temperature samples form initiated? Yes No

Sample Inspection: Date/time inspected: 5/31/23 @ 1020 By: JS
 All samples intact? Yes No Comments: _____

Bottle labels/COCs agree? Yes No Comments: No time on COC or CONTS. acc 5/31/23

COC/container discrepancies form initiated? Yes No

Containers/volumes received appropriate for analysis? Yes No Comments: _____

Do VOA vials have visible headspace? Yes No NA

Comments: _____

Water samples: pH checked: Yes No NA pH appropriate? Yes No NA

Comments: _____

Additional information:

Labeled by: JB Witness: DJS Cooler Inspected by: KAM
 Form Y-003 R-00