



February 3, 2025

Nicole Bassen, Business Manager
Riverdale School District
11733 S Breyman Avenue
Portland, Oregon 97219

Via email: nbassen@riverdale.k12.or.us

Regarding: Lead in Drinking Water Sampling
Riverdale Grade School
11733 S Breyman Avenue
Portland, Oregon 97219
PBS Project 24013163

Dear Ms. Bassen:

On December 21, 2024, PBS Engineering and Environmental Inc. (PBS) performed drinking water sampling at Riverdale Grade School located at 11733 S Breyman Avenue in Portland, Oregon. The testing was requested by Riverdale School District to meet requirements from the Oregon Department of Education (ODE) and Oregon Health Authority (OHA) to conduct water testing for lead in school drinking water systems.

The sampling methodology followed the protocol described in Section 4 of the Environmental Protection Agency (EPA) document *3Ts for Reducing Lead in Drinking Water in Schools and Childcare Facilities, October 2018* (3Ts) and guidelines established by OHA and ODE. Following these guidelines, PBS assigned identification numbers and collected initial draw samples from each test location. Initial draw samples consisted of the first 250 milliliters (mL) of water drawn from a fixture after the water had been sitting stagnant for 8 to 18 hours. The 3Ts' sampling protocol is designed to maximize the likelihood that the highest concentrations of lead in water used for consumption are identified. Because 250 mL samples are relatively small and thus undiluted, the action level set by the EPA for lead is 15 parts per billion (ppb).

The samples were delivered under chain of custody to Apex Laboratories in Tigard, Oregon, for lead analysis.

Initial draw samples were collected from 114 fixtures and delivered under chain of custody to Apex Laboratories in Tigard, Oregon, for lead analysis using EPA Method 200.8 ICPMS. Concentrations of lead in samples ranged from none detected (ND) to 29.4 ppb. Laboratory analysis indicates that five of the drinking water samples contained lead at concentrations above the EPA action level of 15 ppb. All others were below 15 ppb. See the table below for sample locations.

Sample ID*	Sample Location	Fixture Type	Sample Type	Sample Results (ppb)*
21880100-001NS24A	Main Building; 1 st Floor, Nurses Office	Nurses Station	Initial	1.92
21880100-002BF24A	Main Building; 1 st Floor, Nurses Office Restroom	Bathroom Fixture	Initial	2.03

Sample ID*	Sample Location	Fixture Type	Sample Type	Sample Results (ppb)*
21880100-003CF24A	Main Building; 1 st Floor, Classroom 110	Classroom Fixture	Initial	3.39
21880100-004DW24A	Main Building; 1 st Floor, Classroom 110	Drinking Fountain	Initial	2.52
21880100-005CF24A	Main Building; 1 st Floor, Classroom 106	Classroom Fixture	Initial	3.12
21880100-006DW24A	Main Building; 1 st Floor, Classroom 106	Drinking Fountain	Initial	3.04
21880100-007CF24A	Main Building; 1 st Floor, Classroom 102	Classroom Fixture	Initial	2.68
21880100-008DW24A	Main Building; 1 st Floor, Classroom 102	Drinking Fountain	Initial	2.23
21880100-009CF24A	Main Building; 1 st Floor, Classroom 101	Classroom Fixture	Initial	3.19
21880100-010DW24A	Main Building; 1 st Floor, Classroom 101	Drinking Fountain	Initial	4.05
21880100-011CF24A	Main Building; 1 st Floor, Classroom 105	Classroom Fixture	Initial	8.62
21880100-012DW24A	Main Building; 1 st Floor, Classroom 105	Drinking Fountain	Initial	3.16
21880100-013CF24A	Main Building; 1 st Floor, Classroom 109	Classroom Fixture	Initial	4.19
21880100-014DW24A	Main Building; 1 st Floor, Classroom 109	Drinking Fountain	Initial	1.80
21880100-015BF24A	Main Building; 1 st Floor, South Restrooms, South Faucet	Bathroom Fixture	Initial	1.96
21880100-016BF24A	Main Building; 1 st Floor, South Restrooms, South Middle Faucet	Bathroom Fixture	Initial	2.88
21880100-017BF24A	Main Building; 1 st Floor, South Restrooms, North Middle Faucet	Bathroom Fixture	Initial	2.18
21880100-018BF24A	Main Building; 1 st Floor, South Restrooms, North Faucet	Bathroom Fixture	Initial	1.58
21880100-019DW24A	Main Building; 1 st Floor, Corridor at South Restrooms, South Fountain	Drinking Fountain	Initial	0.883
21880100-020DW24A	Main Building; 1 st Floor, Corridor at South Restrooms, North Fountain	Drinking Fountain	Initial	1.08
21880100-021DW24A	Main Building; 1 st Floor, Corridor at North Restrooms, South Fountain	Drinking Fountain	Initial	0.936
21880100-022DW24A	Main Building; 1 st Floor, Corridor at North Restrooms, North Fountain	Drinking Fountain	Initial	0.534
21880100-023BF24A	Main Building; 1 st Floor, North Restrooms, South Faucet	Bathroom Fixture	Initial	1.86
21880100-024BF24A	Main Building; 1 st Floor, North Restrooms, South Middle Faucet	Bathroom Fixture	Initial	2.06
21880100-025BF24A	Main Building; 1 st Floor, North Restrooms, North Middle Faucet	Bathroom Fixture	Initial	1.61
21880100-026BF24A	Main Building; 1 st Floor, North Restrooms, North Faucet	Bathroom Fixture	Initial	1.57
21880100-027CF24A	Main Building; 1 st Floor, Classroom 127	Classroom Fixture	Initial	3.13
21880100-028DW24A	Main Building; 1 st Floor, Classroom 127	Drinking Fountain	Initial	4.21
21880100-029CF24A	Main Building; 1 st Floor, Classroom 131	Classroom Fixture	Initial	3.17
21880100-030DW24A	Main Building; 1 st Floor, Classroom 131	Drinking Fountain	Initial	2.13
21880100-031CF24A	Main Building; 1 st Floor, Classroom 135	Classroom Fixture	Initial	0.828

Sample ID*	Sample Location	Fixture Type	Sample Type	Sample Results (ppb)*
21880100-032DW24A	Main Building; 1 st Floor, Classroom 135	Drinking Fountain	Initial	2.78
21880100-033CF24A	Main Building; 1 st Floor, Classroom 136	Classroom Fixture	Initial	2.21
21880100-034DW24A	Main Building; 1 st Floor, Classroom 136	Drinking Fountain	Initial	1.82
21880100-035CF24A	Main Building; 1 st Floor, Classroom 132	Classroom Fixture	Initial	6.03
21880100-037CF24A	Main Building; 1 st Floor, Classroom 128	Classroom Fixture	Initial	4.44
21880100-038BF24A	Main Building; 1 st Floor, North Staff Restroom	Bathroom Fixture	Initial	2.11
21880100-039BF24A	Main Building; 1 st Floor, South Staff Restroom	Bathroom Fixture	Initial	1.18
21880100-040SF24A	Main Building; 1 st Floor, Teacher's Lounge	Staff Fixture	Initial	1.84
21880100-041CF24A	Main Building; 2 nd Floor, Classroom 210	Classroom Fixture	Initial	4.85
21880100-042DW24A	Main Building; 2 nd Floor, Classroom 210	Drinking Fountain	Initial	10.3
21880100-043CF24A	Main Building; 2 nd Floor, Classroom 206	Classroom Fixture	Initial	8.53
21880100-044DW24A	Main Building; 2 nd Floor, Classroom 206	Drinking Fountain	Initial	2.16
21880100-045CF24A	Main Building; 2 nd Floor, Classroom 202	Classroom Fixture	Initial	4.75
21880100-046DW24A	Main Building; 2 nd Floor, Classroom 202	Drinking Fountain	Initial	2.52
21880100-047CF24A	Main Building; 2 nd Floor, Classroom 201	Classroom Fixture	Initial	4.13
21880100-048DW24A	Main Building; 2 nd Floor, Classroom 201	Drinking Fountain	Initial	2.82
21880100-049CF24A	Main Building; 2 nd Floor, Classroom 205	Classroom Fixture	Initial	3.68
21880100-050DW24A	Main Building; 2 nd Floor, Classroom 205	Drinking Fountain	Initial	4.18
21880100-051CF24A	Main Building; 2 nd Floor, Classroom 209, East Wall, North Faucet	Classroom Fixture	Initial	2.92
21880100-052CF24A	Main Building; 2 nd Floor, Classroom 209, East Wall, North Middle Faucet	Classroom Fixture	Initial	2.66
21880100-053CF24A	Main Building; 2 nd Floor, Classroom 209, East Wall, South Middle Faucet	Classroom Fixture	Initial	3.06
21880100-054CF24A	Main Building; 2 nd Floor, Classroom 209, East Wall, South Faucet	Classroom Fixture	Initial	2.33
21880100-055CF24A	Main Building; 2 nd Floor, Classroom 209, South Wall	Classroom Fixture	Initial	15.3
21880100-057SF24A	Main Building; 2 nd Floor, Classroom 209 Storage	Staff Fixture	Initial	29.4
21880100-058BF24A	Main Building; 2 nd Floor, South Restrooms, South Faucet	Bathroom Fixture	Initial	2.43
21880100-059BF24A	Main Building; 2 nd Floor, South Restrooms, South Middle Faucet	Bathroom Fixture	Initial	2.76
21880100-060BF24A	Main Building; 2 nd Floor, South Restrooms, North Middle Faucet	Bathroom Fixture	Initial	2.02
21880100-061BF24A	Main Building; 2 nd Floor, South Restrooms, North Faucet	Bathroom Fixture	Initial	2.61

Sample ID*	Sample Location	Fixture Type	Sample Type	Sample Results (ppb)*
21880100-062DW24A	Main Building; 2 nd Floor, Corridor at South Restrooms, South Fountain	Drinking Fountain	Initial	1.06
21880100-063DW24A	Main Building; 2 nd Floor, Corridor at South Restrooms, North Fountain	Drinking Fountain	Initial	1.14
21880100-065DW24A	Main Building; 2 nd Floor, Corridor at North Restrooms, Fountain	Drinking Fountain	Initial	0.371
21880100-066WB24A	Main Building; 2 nd Floor, Corridor at North Restrooms, Bottle Filler	Bottle Filler	Initial	ND
21880100-067BF24A	Main Building; 2 nd Floor, North Restrooms, South Faucet	Bathroom Fixture	Initial	2.60
21880100-068BF24A	Main Building; 2 nd Floor, North Restrooms, South Middle Faucet	Bathroom Fixture	Initial	2.35
21880100-069BF24A	Main Building; 2 nd Floor, North Restrooms, North Middle Faucet	Bathroom Fixture	Initial	2.41
21880100-070BF24A	Main Building; 2 nd Floor, North Restrooms, North Faucet	Bathroom Fixture	Initial	2.09
21880100-071CF24A	Main Building; 2 nd Floor, Classroom 227, East Wall, North Faucet	Classroom Fixture	Initial	2.94
21880100-072CF24A	Main Building; 2 nd Floor, Classroom 227, East Wall, North Middle Faucet	Classroom Fixture	Initial	6.17
21880100-073CF24A	Main Building; 2 nd Floor, Classroom 227, East Wall, South Middle Faucet	Classroom Fixture	Initial	1.15
21880100-074CF24A	Main Building; 2 nd Floor, Classroom 227, East Wall, South Faucet	Classroom Fixture	Initial	2.63
21880100-076CF24A	Main Building; 2 nd Floor, Classroom 227, North Wall	Classroom Fixture	Initial	23.5
21880100-077SF24A	Main Building; 2 nd Floor, Classroom 227 Storage	Staff Fixture	Initial	2.75
21880100-078CF24A	Main Building; 2 nd Floor, Classroom 231	Classroom Fixture	Initial	8.97
21880100-079DW24A	Main Building; 2 nd Floor, Classroom 231	Drinking Fountain	Initial	7.81
21880100-080CF24A	Main Building; 2 nd Floor, Classroom 235	Classroom Fixture	Initial	4.75
21880100-081DW24A	Main Building; 2 nd Floor, Classroom 235	Drinking Fountain	Initial	3.13
21880100-082CF24A	Main Building; 2 nd Floor, Classroom 236	Classroom Fixture	Initial	6.39
21880100-083DW24A	Main Building; 2 nd Floor, Classroom 236	Drinking Fountain	Initial	2.83
21880100-084CF24A	Main Building; 2 nd Floor, Classroom 232	Classroom Fixture	Initial	3.58
21880100-085DW24A	Main Building; 2 nd Floor, Classroom 232	Drinking Fountain	Initial	2.90
21880100-086BF24A	Main Building; 2 nd Floor, Staff Restroom at Classroom 232	Bathroom Fixture	Initial	1.69
21880100-087CF24A	Main Building; 2 nd Floor, Classroom 228, West Wall	Classroom Fixture	Initial	2.25

Sample ID*	Sample Location	Fixture Type	Sample Type	Sample Results (ppb)*
21880100-088DW24A	Main Building; 2 nd Floor, Classroom 228, West Wall	Drinking Fountain	Initial	2.37
21880100-089CF24A	Main Building; 2 nd Floor, Classroom 228, Island, West Faucet	Classroom Fixture	Initial	4.42
21880100-090DW24A	Main Building; 2 nd Floor, Classroom 228, Island, West Fountain	Drinking Fountain	Initial	6.37
21880100-091CF24A	Main Building; 2 nd Floor, Classroom 228, Island, East Faucet	Classroom Fixture	Initial	3.76
21880100-092DW24A	Main Building; 2 nd Floor, Classroom 228, Island, East Fountain	Drinking Fountain	Initial	4.64
21880100-093BF24A	Main Building; 2 nd Floor, Restroom at Classroom 228	Bathroom Fixture	Initial	2.06
21880100-094SF24A	Main Building; 2 nd Floor, Library Office	Staff Fixture	Initial	3.06
21880000-095SF24A	District Office Building; Kitchenette	Staff Fixture	Initial	0.377
21880000-096BF24A	District Office Building; Restroom	Bathroom Fixture	Initial	1.32
21880101-097CF24A	Music Building; Band Room	Classroom Fixture	Initial	1.39
21880101-099BF24A	Music Building; Restroom	Bathroom Fixture	Initial	1.70
21880102-100WB24A	Commons; Gym, Bottle Filler	Bottle Filler	Initial	1.04
21880102-101DW24A	Commons; Gym, West Fountain	Drinking Fountain	Initial	1.12
21880102-102DW24A	Commons; Gym, East Fountain	Drinking Fountain	Initial	1.16
21880102-103SF24A	Commons; Basement, Custodial Area	Staff Faucet	Initial	28.2
21880102-104BF24A	Commons; Girl's Restroom, East Faucet	Bathroom Fixture	Initial	2.00
21880102-105BF24A	Commons; Girl's Restroom, Middle Faucet	Bathroom Fixture	Initial	1.99
21880102-106BF24A	Commons; Girl's Restroom, West Faucet	Bathroom Fixture	Initial	2.12
21880102-107BF24A	Commons; Boy's Restroom, East Faucet	Bathroom Fixture	Initial	1.69
21880102-108BF24A	Commons; Boy's Restroom, Middle Faucet	Bathroom Fixture	Initial	1.67
21880102-109BF24A	Commons; Boy's Restroom, West Faucet	Bathroom Fixture	Initial	1.84
21880102-110DW24A	Commons; Cafeteria, West Fountain	Drinking Fountain	Initial	0.642
21880102-112KF24A	Commons; Kitchen, West Wall, Sprayer	Kitchen Fixture	Initial	2.89
21880102-113KF24A	Commons; Kitchen, North Wall, West Sink, West Faucet	Kitchen Fixture	Initial	6.72
21880102-114KF24A	Commons; Kitchen, North Wall, West Sink, East Faucet	Kitchen Fixture	Initial	7.05
21880102-115KF24A	Commons; Kitchen, North Wall, East Sink, West Faucet	Kitchen Fixture	Initial	7.36
21880102-116KF24A	Commons; Kitchen, North Wall, East Sink, Sprayer	Kitchen Fixture	Initial	20.4
21880102-117KF24A	Commons; Kitchen, North Wall, East Sink, East Faucet	Kitchen Fixture	Initial	3.98
21880102-118KF24A	Commons; West Wall, Handwashing Sink	Kitchen Fixture	Initial	5.64
21880102-119IM24A	Commons; Kitchen, Ice Maker	Ice Maker	Initial	ND

Sample ID*	Sample Location	Fixture Type	Sample Type	Sample Results (ppb)*
21880102-120DW24A	Exterior; Covered Play Area, East Fountain	Drinking Fountain	Initial	ND

ND = no lead detected

ppb = parts per billion

Results above the action level of 15 ppb are highlighted **yellow**

Please refer to the attached 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.

The five fixtures that were analyzed to be above the action level of 15 ppb should be taken out of commission immediately. Once remediation is complete, additional testing must be performed to demonstrate that lead concentrations are below 15 ppb prior to returning the fixtures to service. Additionally, thirteen fixtures were not operational at the time of PBS' sampling. These fixtures were documented and assigned identification numbers in accordance with ODE's guidelines. If plans exist to utilize these fixtures in the future, they will need to be sampled before being put back into service. If they are to remain non-operational, no additional action is required at this time. See below for a list of these fixtures.

- **21880100-036CF** - Main Building; Classroom 132, Drinking Fountain
- **21880100-056CF** - Main Building; Science Classroom 209, South Wall, West Fixture
- **21880100-064DW** - Main Building; Corridor at North Restrooms, South Fountain
- **21880100-075CF** - Main Building; Science Classroom 227, North Wall, West Fixture
- **21880101-098DW** - Music Building; Band Room, Drinking Fountain
- **21880100-111DW** - Commons; Cafeteria, East Fountain
- **21880100-121DW** - Exterior; Covered Play Area, West Drinking Fountain
- **21880100-122WB** - Exterior; Southwest of Main Building, Near Field, Bottle Filler
- **21880100-123DW** - Exterior; Southwest of Main Building, Near Field, Drinking Fountain
- **21880100-124BF** - Commons; Gym, Men's Restroom, South Fixture
- **21880100-125BF** - Commons; Gym, Men's Restroom, North Fixture
- **21880100-126BF** - Commons; Gym, Women's Restroom, South Fixture
- **21880100-127BF** - Commons; Gym, Women's Restroom, North Fixture

REIMBURSEMENT

The district is 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 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.

ONGOING TESTING

According to OAR 333-061-0400, school districts are required to complete ongoing 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% lead by weight and the piping feeding the tap is a material other than copper or was installed after January 4, 2014; the solder and flux meets the leadfree standard of no more than 0.2% lead; and was tested during initial testing and results were less than 1 ppb lead.

Please feel free to contact me at 503.349.6861 or sean.grabiner@pbsusa.com with any questions or comments

Sincerely,

A handwritten signature in black ink, appearing to read 'Sean Grabiner', with a stylized flourish at the end.

Sean Grabiner, CSP
Project Manager
PBS Engineering and Environmental Inc.

Attachments: Laboratory Results
 Chain-of-Custody Form

The information contained in this document is proprietary and shall not be duplicated, used, or disclosed in whole or in part to other parties without the permission of PBS.



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Tuesday, January 14, 2025

Sean Grabiner

PBS Engineering and Environmental

4412 S Corbett Ave

Portland, OR 97239

RE: A4L1673 - Riverdale School District - Riverdale Grade School/24013163

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 A4L1673, which was received by the laboratory on 12/23/2024 at 10:33:00AM.

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			
<u>Acceptable Receipt Temperature is less than, or equal to, 6 degC (not frozen), or received on ice the same day as sampling.</u>			
(See Cooler Receipt Form for details)			
Cooler 1	18.2	degC	Cooler 2
Cooler 3	18.0	degC	17.4 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(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Jason Woodcock, Project Manager

**ANALYTICAL REPORT****Apex Laboratories, LLC**6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062**PBS Engineering and Environmental**4412 S Corbett Ave
Portland, OR 97239Project: **Riverdale School District**Project Number: Riverdale Grade School/240
Project Manager: Sean Grabiner**Report ID:**

A4L1673 - 01 14 25 1041

ANALYTICAL REPORT FOR SAMPLES**SAMPLE INFORMATION**

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
21880100-001NS24A	A4L1673-01	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-002BF24A	A4L1673-02	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-003CF24A	A4L1673-03	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-004DW24A	A4L1673-04	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-005CF24A	A4L1673-05	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-006DW24A	A4L1673-06	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-007CF24A	A4L1673-07	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-008DW24A	A4L1673-08	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-009CF24A	A4L1673-09	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-010DW24A	A4L1673-10	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-011CF24A	A4L1673-11	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-012DW24A	A4L1673-12	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-013CF24A	A4L1673-13	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-014DW24A	A4L1673-14	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-015BF24A	A4L1673-15	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-016BF24A	A4L1673-16	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-017BF24A	A4L1673-17	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-018BF24A	A4L1673-18	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-019DW24A	A4L1673-19	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-020DW24A	A4L1673-20	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-021DW24A	A4L1673-21	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-022DW24A	A4L1673-22	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-023BF24A	A4L1673-23	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-024BF24A	A4L1673-24	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-025BF24A	A4L1673-25	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-026BF24A	A4L1673-26	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-027CF24A	A4L1673-27	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-028DW24A	A4L1673-28	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-029CF24A	A4L1673-29	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-030DW24A	A4L1673-30	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-031CF24A	A4L1673-31	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-032DW24A	A4L1673-32	Drinking Water	12/21/24 00:00	12/23/24 10:33

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Jason Woodcock, Project Manager

**ANALYTICAL REPORT****Apex Laboratories, LLC**6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062**PBS Engineering and Environmental**4412 S Corbett Ave
Portland, OR 97239Project: **Riverdale School District**Project Number: Riverdale Grade School/240
Project Manager: Sean Grabiner**Report ID:**

A4L1673 - 01 14 25 1041

ANALYTICAL REPORT FOR SAMPLES**SAMPLE INFORMATION**

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
21880100-033CF24A	A4L1673-33	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-034DW24A	A4L1673-34	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-035CF24A	A4L1673-35	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-037CF24A	A4L1673-36	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-038BF24A	A4L1673-37	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-039BF24A	A4L1673-38	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-040SF24A	A4L1673-39	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-041CF24A	A4L1673-40	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-042DW24A	A4L1673-41	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-043CF24A	A4L1673-42	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-044DW24A	A4L1673-43	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-045CF24A	A4L1673-44	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-046DW24A	A4L1673-45	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-047CF24A	A4L1673-46	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-048DW24A	A4L1673-47	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-049CF24A	A4L1673-48	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-050DW24A	A4L1673-49	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-051CF24A	A4L1673-50	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-052CF24A	A4L1673-51	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-053CF24A	A4L1673-52	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-054CF24A	A4L1673-53	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-055CF24A	A4L1673-54	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-057SF24A	A4L1673-55	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-058BF24A	A4L1673-56	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-059BF24A	A4L1673-57	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-060BF24A	A4L1673-58	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-061BF24A	A4L1673-59	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-062DW24A	A4L1673-60	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-063DW24A	A4L1673-61	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-065DW24A	A4L1673-62	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-066WB24A	A4L1673-63	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-067BF24A	A4L1673-64	Drinking Water	12/21/24 00:00	12/23/24 10:33

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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**PBS Engineering and Environmental**4412 S Corbett Ave
Portland, OR 97239Project: **Riverdale School District**Project Number: Riverdale Grade School/240
Project Manager: Sean Grabiner**Report ID:**

A4L1673 - 01 14 25 1041

ANALYTICAL REPORT FOR SAMPLES**SAMPLE INFORMATION**

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
21880100-068BF24A	A4L1673-65	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-069BF24A	A4L1673-66	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-070BF24A	A4L1673-67	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-071CF24A	A4L1673-68	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-072CF24A	A4L1673-69	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-073CF24A	A4L1673-70	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-074CF24A	A4L1673-71	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-076CF24A	A4L1673-72	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-077SF24A	A4L1673-73	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-078CF24A	A4L1673-74	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-079DW24A	A4L1673-75	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-080CF24A	A4L1673-76	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-081DW24A	A4L1673-77	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-082CF24A	A4L1673-78	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-083DW24A	A4L1673-79	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-084CF24A	A4L1673-80	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-085DW24A	A4L1673-81	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-086BF24A	A4L1673-82	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-087CF24A	A4L1673-83	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-088DW24A	A4L1673-84	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-089CF24A	A4L1673-85	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-090DW24A	A4L1673-86	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-091CF24A	A4L1673-87	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-092DW24A	A4L1673-88	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-093BF24A	A4L1673-89	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880100-094SF24A	A4L1673-90	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880000-095SF24A	A4L1673-91	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880000-096BF24A	A4L1673-92	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880101-097CF24A	A4L1673-93	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880101-099BF24A	A4L1673-94	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880102-100WB24A	A4L1673-95	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880102-101DW24A	A4L1673-96	Drinking Water	12/21/24 00:00	12/23/24 10:33

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Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062**PBS Engineering and Environmental**4412 S Corbett Ave
Portland, OR 97239Project: **Riverdale School District**Project Number: Riverdale Grade School/240
Project Manager: Sean Grabiner**Report ID:**

A4L1673 - 01 14 25 1041

ANALYTICAL REPORT FOR SAMPLES**SAMPLE INFORMATION**

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
21880102-102DW24A	A4L1673-97	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880102-103SF24A	A4L1673-98	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880102-104BF24A	A4L1673-99	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880102-105BF24A	A4L1673-AA	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880102-106BF24A	A4L1673-AB	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880102-107BF24A	A4L1673-AC	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880102-108BF24A	A4L1673-AD	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880102-109BF24A	A4L1673-AE	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880102-110DW24A	A4L1673-AF	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880102-112KF24A	A4L1673-AG	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880102-113KF24A	A4L1673-AH	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880102-114KF24A	A4L1673-AI	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880102-115KF24A	A4L1673-AJ	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880102-116KF24A	A4L1673-AK	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880102-117KF24A	A4L1673-AL	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880102-118KF24A	A4L1673-AM	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880102-120DW24A	A4L1673-AN	Drinking Water	12/21/24 00:00	12/23/24 10:33
21880102-119IN24A	A4L1673-AO	Drinking Water	12/21/24 00:00	12/23/24 10:33

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Jason Woodcock, Project Manager

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503-718-2323
ORELAP ID: OR100062**PBS Engineering and Environmental**
4412 S Corbett Ave
Portland, OR 97239Project: **Riverdale School District**
Project Number: **Riverdale Grade School/240**
Project Manager: **Sean Grabiner****Report ID:**
A4L1673 - 01 14 25 1041**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
21880100-001NS24A (A4L1673-01)				Matrix: Drinking Water				
Batch: 25A0235								
Lead	1.92	---	0.200	ug/L	1	01/09/25 14:23	EPA 200.8	
21880100-002BF24A (A4L1673-02)				Matrix: Drinking Water				
Batch: 25A0235								
Lead	2.03	---	0.200	ug/L	1	01/09/25 14:25	EPA 200.8	
21880100-003CF24A (A4L1673-03)				Matrix: Drinking Water				
Batch: 25A0235								
Lead	3.39	---	0.200	ug/L	1	01/09/25 14:31	EPA 200.8	
21880100-004DW24A (A4L1673-04)				Matrix: Drinking Water				
Batch: 25A0235								
Lead	2.52	---	0.200	ug/L	1	01/09/25 14:33	EPA 200.8	
21880100-005CF24A (A4L1673-05)				Matrix: Drinking Water				
Batch: 25A0235								
Lead	3.12	---	0.200	ug/L	1	01/09/25 14:34	EPA 200.8	
21880100-006DW24A (A4L1673-06)				Matrix: Drinking Water				
Batch: 25A0235								
Lead	3.04	---	0.200	ug/L	1	01/09/25 14:36	EPA 200.8	
21880100-007CF24A (A4L1673-07)				Matrix: Drinking Water				
Batch: 25A0235								
Lead	2.68	---	0.200	ug/L	1	01/09/25 14:38	EPA 200.8	
21880100-008DW24A (A4L1673-08)				Matrix: Drinking Water				
Batch: 25A0235								
Lead	2.23	---	0.200	ug/L	1	01/09/25 14:40	EPA 200.8	
21880100-009CF24A (A4L1673-09)				Matrix: Drinking Water				
Batch: 25A0235								
Lead	3.19	---	0.200	ug/L	1	01/09/25 14:42	EPA 200.8	

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Project Manager: **Sean Grabiner****Report ID:**
A4L1673 - 01 14 25 1041**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
21880100-010DW24A (A4L1673-10) Matrix: Drinking Water								
Batch: 25A0235								
Lead	4.05	---	0.200	ug/L	1	01/09/25 14:44	EPA 200.8	
21880100-011CF24A (A4L1673-11) Matrix: Drinking Water								
Batch: 25A0235								
Lead	8.62	---	0.200	ug/L	1	01/09/25 14:46	EPA 200.8	
21880100-012DW24A (A4L1673-12) Matrix: Drinking Water								
Batch: 25A0235								
Lead	3.16	---	0.200	ug/L	1	01/09/25 14:48	EPA 200.8	
21880100-013CF24A (A4L1673-13) Matrix: Drinking Water								
Batch: 25A0237								
Lead	4.19	---	0.200	ug/L	1	01/09/25 14:59	EPA 200.8	
21880100-014DW24A (A4L1673-14) Matrix: Drinking Water								
Batch: 25A0237								
Lead	1.80	---	0.200	ug/L	1	01/09/25 15:05	EPA 200.8	
21880100-015BF24A (A4L1673-15) Matrix: Drinking Water								
Batch: 25A0237								
Lead	1.96	---	0.200	ug/L	1	01/09/25 15:07	EPA 200.8	
21880100-016BF24A (A4L1673-16) Matrix: Drinking Water								
Batch: 25A0237								
Lead	2.88	---	0.200	ug/L	1	01/09/25 15:08	EPA 200.8	
21880100-017BF24A (A4L1673-17) Matrix: Drinking Water								
Batch: 25A0237								
Lead	2.18	---	0.200	ug/L	1	01/09/25 15:10	EPA 200.8	
21880100-018BF24A (A4L1673-18) Matrix: Drinking Water								
Batch: 25A0237								
Lead	1.58	---	0.200	ug/L	1	01/09/25 15:16	EPA 200.8	

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Project Number: **Riverdale Grade School/240**
Project Manager: **Sean Grabiner****Report ID:**
A4L1673 - 01 14 25 1041**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
21880100-019DW24A (A4L1673-19)				Matrix: Drinking Water				
Batch: 25A0237								
Lead	0.883	---	0.200	ug/L	1	01/09/25 15:18	EPA 200.8	
21880100-020DW24A (A4L1673-20)				Matrix: Drinking Water				
Batch: 25A0237								
Lead	1.08	---	0.200	ug/L	1	01/09/25 15:20	EPA 200.8	
21880100-021DW24A (A4L1673-21)				Matrix: Drinking Water				
Batch: 25A0237								
Lead	0.936	---	0.200	ug/L	1	01/09/25 15:22	EPA 200.8	
21880100-022DW24A (A4L1673-22)				Matrix: Drinking Water				
Batch: 25A0237								
Lead	0.534	---	0.200	ug/L	1	01/09/25 15:23	EPA 200.8	
21880100-023BF24A (A4L1673-23)				Matrix: Drinking Water				
Batch: 25A0237								
Lead	1.86	---	0.200	ug/L	1	01/09/25 15:26	EPA 200.8	
21880100-024BF24A (A4L1673-24)				Matrix: Drinking Water				
Batch: 25A0237								
Lead	2.06	---	0.200	ug/L	1	01/09/25 15:28	EPA 200.8	
21880100-025BF24A (A4L1673-25)				Matrix: Drinking Water				
Batch: 25A0237								
Lead	1.61	---	0.200	ug/L	1	01/09/25 15:32	EPA 200.8	
21880100-026BF24A (A4L1673-26)				Matrix: Drinking Water				
Batch: 25A0237								
Lead	1.57	---	0.200	ug/L	1	01/09/25 17:10	EPA 200.8	
21880100-027CF24A (A4L1673-27)				Matrix: Drinking Water				
Batch: 25A0237								
Lead	3.13	---	0.200	ug/L	1	01/09/25 17:12	EPA 200.8	

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Project Manager: **Sean Grabiner****Report ID:**
A4L1673 - 01 14 25 1041**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
21880100-028DW24A (A4L1673-28)				Matrix: Drinking Water				
Batch: 25A0237								
Lead	4.21	---	0.200	ug/L	1	01/09/25 17:14	EPA 200.8	
21880100-029CF24A (A4L1673-29)				Matrix: Drinking Water				
Batch: 25A0237								
Lead	3.17	---	0.200	ug/L	1	01/09/25 17:16	EPA 200.8	
21880100-030DW24A (A4L1673-30)				Matrix: Drinking Water				
Batch: 25A0237								
Lead	2.13	---	0.200	ug/L	1	01/09/25 17:17	EPA 200.8	
21880100-031CF24A (A4L1673-31)				Matrix: Drinking Water				
Batch: 25A0237								
Lead	0.828	---	0.200	ug/L	1	01/09/25 17:19	EPA 200.8	
21880100-032DW24A (A4L1673-32)				Matrix: Drinking Water				
Batch: 25A0237								
Lead	2.78	---	0.200	ug/L	1	01/09/25 17:21	EPA 200.8	
21880100-033CF24A (A4L1673-33)				Matrix: Drinking Water				
Batch: 25A0275								
Lead	2.21	---	0.200	ug/L	1	01/09/25 17:32	EPA 200.8	
21880100-034DW24A (A4L1673-34)				Matrix: Drinking Water				
Batch: 25A0275								
Lead	1.82	---	0.200	ug/L	1	01/09/25 17:38	EPA 200.8	
21880100-035CF24A (A4L1673-35)				Matrix: Drinking Water				
Batch: 25A0275								
Lead	6.03	---	0.200	ug/L	1	01/09/25 17:40	EPA 200.8	
21880100-037CF24A (A4L1673-36)				Matrix: Drinking Water				
Batch: 25A0275								
Lead	4.44	---	0.200	ug/L	1	01/09/25 17:41	EPA 200.8	

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A4L1673 - 01 14 25 1041**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
21880100-038BF24A (A4L1673-37) Matrix: Drinking Water								
Batch: 25A0275								
Lead	2.11	---	0.200	ug/L	1	01/09/25 17:43	EPA 200.8	
21880100-039BF24A (A4L1673-38) Matrix: Drinking Water								
Batch: 25A0275								
Lead	1.18	---	0.200	ug/L	1	01/09/25 17:45	EPA 200.8	
21880100-040SF24A (A4L1673-39) Matrix: Drinking Water								
Batch: 25A0275								
Lead	1.84	---	0.200	ug/L	1	01/09/25 17:47	EPA 200.8	
21880100-041CF24A (A4L1673-40) Matrix: Drinking Water								
Batch: 25A0275								
Lead	4.85	---	0.200	ug/L	1	01/09/25 17:49	EPA 200.8	
21880100-042DW24A (A4L1673-41) Matrix: Drinking Water								
Batch: 25A0275								
Lead	10.3	---	0.200	ug/L	1	01/09/25 17:54	EPA 200.8	
21880100-043CF24A (A4L1673-42) Matrix: Drinking Water								
Batch: 25A0275								
Lead	8.53	---	0.200	ug/L	1	01/09/25 17:56	EPA 200.8	
21880100-044DW24A (A4L1673-43) Matrix: Drinking Water								
Batch: 25A0275								
Lead	2.16	---	0.200	ug/L	1	01/09/25 17:58	EPA 200.8	
21880100-045CF24A (A4L1673-44) Matrix: Drinking Water								
Batch: 25A0275								
Lead	4.75	---	0.200	ug/L	1	01/09/25 18:00	EPA 200.8	
21880100-046DW24A (A4L1673-45) Matrix: Drinking Water								
Batch: 25A0275								
Lead	2.52	---	0.200	ug/L	1	01/09/25 18:02	EPA 200.8	

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Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
21880100-047CF24A (A4L1673-46)				Matrix: Drinking Water				
Batch: 25A0275								
Lead	4.13	---	0.200	ug/L	1	01/09/25 18:04	EPA 200.8	
21880100-048DW24A (A4L1673-47)				Matrix: Drinking Water				
Batch: 25A0275								
Lead	2.82	---	0.200	ug/L	1	01/09/25 18:06	EPA 200.8	
21880100-049CF24A (A4L1673-48)				Matrix: Drinking Water				
Batch: 25A0275								
Lead	3.68	---	0.200	ug/L	1	01/09/25 18:07	EPA 200.8	
21880100-050DW24A (A4L1673-49)				Matrix: Drinking Water				
Batch: 25A0275								
Lead	4.18	---	0.200	ug/L	1	01/09/25 18:09	EPA 200.8	
21880100-051CF24A (A4L1673-50)				Matrix: Drinking Water				
Batch: 25A0275								
Lead	2.92	---	0.200	ug/L	1	01/09/25 18:11	EPA 200.8	
21880100-052CF24A (A4L1673-51)				Matrix: Drinking Water				
Batch: 25A0275								
Lead	2.66	---	0.200	ug/L	1	01/09/25 18:17	EPA 200.8	
21880100-053CF24A (A4L1673-52)				Matrix: Drinking Water				
Batch: 25A0275								
Lead	3.06	---	0.200	ug/L	1	01/09/25 18:19	EPA 200.8	
21880100-054CF24A (A4L1673-53)				Matrix: Drinking Water				
Batch: 25A0282								
Lead	2.33	---	0.200	ug/L	1	01/13/25 13:34	EPA 200.8	
21880100-055CF24A (A4L1673-54)				Matrix: Drinking Water				
Batch: 25A0282								
Lead	15.3	---	0.200	ug/L	1	01/13/25 13:40	EPA 200.8	

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**ANALYTICAL REPORT****Apex Laboratories, LLC**6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062**PBS Engineering and Environmental**
4412 S Corbett Ave
Portland, OR 97239Project: **Riverdale School District**
Project Number: **Riverdale Grade School/240**
Project Manager: **Sean Grabiner****Report ID:**
A4L1673 - 01 14 25 1041**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
21880100-057SF24A (A4L1673-55)				Matrix: Drinking Water				
Batch: 25A0282								
Lead	29.4	---	0.200	ug/L	1	01/13/25 13:42	EPA 200.8	
21880100-058BF24A (A4L1673-56)				Matrix: Drinking Water				
Batch: 25A0282								
Lead	2.43	---	0.200	ug/L	1	01/13/25 13:44	EPA 200.8	
21880100-059BF24A (A4L1673-57)				Matrix: Drinking Water				
Batch: 25A0282								
Lead	2.76	---	0.200	ug/L	1	01/13/25 13:45	EPA 200.8	
21880100-060BF24A (A4L1673-58)				Matrix: Drinking Water				
Batch: 25A0282								
Lead	2.02	---	0.200	ug/L	1	01/13/25 13:47	EPA 200.8	
21880100-061BF24A (A4L1673-59)				Matrix: Drinking Water				
Batch: 25A0282								
Lead	2.61	---	0.200	ug/L	1	01/13/25 13:53	EPA 200.8	
21880100-062DW24A (A4L1673-60)				Matrix: Drinking Water				
Batch: 25A0282								
Lead	1.06	---	0.200	ug/L	1	01/13/25 13:55	EPA 200.8	
21880100-063DW24A (A4L1673-61)				Matrix: Drinking Water				
Batch: 25A0282								
Lead	1.14	---	0.200	ug/L	1	01/13/25 13:56	EPA 200.8	
21880100-065DW24A (A4L1673-62)				Matrix: Drinking Water				
Batch: 25A0282								
Lead	0.371	---	0.200	ug/L	1	01/13/25 13:58	EPA 200.8	
21880100-066WB24A (A4L1673-63)				Matrix: Drinking Water				
Batch: 25A0282								
Lead	ND	---	0.200	ug/L	1	01/13/25 14:00	EPA 200.8	

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Project Number: **Riverdale Grade School/240**
Project Manager: **Sean Grabiner****Report ID:**
A4L1673 - 01 14 25 1041**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
21880100-067BF24A (A4L1673-64)				Matrix: Drinking Water				
Batch: 25A0282								
Lead	2.60	---	0.200	ug/L	1	01/13/25 14:02	EPA 200.8	
21880100-068BF24A (A4L1673-65)				Matrix: Drinking Water				
Batch: 25A0282								
Lead	2.35	---	0.200	ug/L	1	01/13/25 14:04	EPA 200.8	
21880100-069BF24A (A4L1673-66)				Matrix: Drinking Water				
Batch: 25A0282								
Lead	2.41	---	0.200	ug/L	1	01/13/25 14:06	EPA 200.8	
21880100-070BF24A (A4L1673-67)				Matrix: Drinking Water				
Batch: 25A0282								
Lead	2.09	---	0.200	ug/L	1	01/13/25 14:07	EPA 200.8	
21880100-071CF24A (A4L1673-68)				Matrix: Drinking Water				
Batch: 25A0282								
Lead	2.94	---	0.200	ug/L	1	01/13/25 14:09	EPA 200.8	
21880100-072CF24A (A4L1673-69)				Matrix: Drinking Water				
Batch: 25A0282								
Lead	6.17	---	0.200	ug/L	1	01/13/25 14:15	EPA 200.8	
21880100-073CF24A (A4L1673-70)				Matrix: Drinking Water				
Batch: 25A0282								
Lead	1.15	---	0.200	ug/L	1	01/13/25 14:17	EPA 200.8	
21880100-074CF24A (A4L1673-71)				Matrix: Drinking Water				
Batch: 25A0282								
Lead	2.63	---	0.200	ug/L	1	01/13/25 14:19	EPA 200.8	
21880100-076CF24A (A4L1673-72)				Matrix: Drinking Water				
Batch: 25A0282								
Lead	23.5	---	0.200	ug/L	1	01/13/25 14:20	EPA 200.8	

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Project Manager: **Sean Grabiner****Report ID:**
A4L1673 - 01 14 25 1041**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
21880100-077SF24A (A4L1673-73)				Matrix: Drinking Water				
Batch: 25A0307								
Lead	2.75	---	0.200	ug/L	1	01/13/25 14:37	EPA 200.8	
21880100-078CF24A (A4L1673-74)				Matrix: Drinking Water				
Batch: 25A0307								
Lead	8.97	---	0.200	ug/L	1	01/13/25 14:39	EPA 200.8	
21880100-079DW24A (A4L1673-75)				Matrix: Drinking Water				
Batch: 25A0307								
Lead	7.81	---	0.200	ug/L	1	01/13/25 14:41	EPA 200.8	
21880100-080CF24A (A4L1673-76)				Matrix: Drinking Water				
Batch: 25A0307								
Lead	4.75	---	0.200	ug/L	1	01/13/25 14:43	EPA 200.8	
21880100-081DW24A (A4L1673-77)				Matrix: Drinking Water				
Batch: 25A0307								
Lead	3.13	---	0.200	ug/L	1	01/13/25 14:44	EPA 200.8	
21880100-082CF24A (A4L1673-78)				Matrix: Drinking Water				
Batch: 25A0307								
Lead	6.39	---	0.200	ug/L	1	01/13/25 14:46	EPA 200.8	
21880100-083DW24A (A4L1673-79)				Matrix: Drinking Water				
Batch: 25A0307								
Lead	2.83	---	0.200	ug/L	1	01/13/25 14:48	EPA 200.8	
21880100-084CF24A (A4L1673-80)				Matrix: Drinking Water				
Batch: 25A0307								
Lead	3.58	---	0.200	ug/L	1	01/13/25 14:50	EPA 200.8	
21880100-085DW24A (A4L1673-81)				Matrix: Drinking Water				
Batch: 25A0307								
Lead	2.90	---	0.200	ug/L	1	01/13/25 14:52	EPA 200.8	

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Portland, OR 97239Project: Riverdale School District
Project Number: Riverdale Grade School/240
Project Manager: Sean Grabiner**Report ID:**
A4L1673 - 01 14 25 1041

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
21880100-086BF24A (A4L1673-82)				Matrix: Drinking Water				
Batch: 25A0307								
Lead	1.69	---	0.200	ug/L	1	01/13/25 14:54	EPA 200.8	
21880100-087CF24A (A4L1673-83)				Matrix: Drinking Water				
Batch: 25A0307								
Lead	2.25	---	0.200	ug/L	1	01/13/25 14:59	EPA 200.8	
21880100-088DW24A (A4L1673-84)				Matrix: Drinking Water				
Batch: 25A0307								
Lead	2.37	---	0.200	ug/L	1	01/13/25 15:01	EPA 200.8	
21880100-089CF24A (A4L1673-85)				Matrix: Drinking Water				
Batch: 25A0307								
Lead	4.42	---	0.200	ug/L	1	01/13/25 15:03	EPA 200.8	
21880100-090DW24A (A4L1673-86)				Matrix: Drinking Water				
Batch: 25A0307								
Lead	6.37	---	0.200	ug/L	1	01/13/25 15:05	EPA 200.8	
21880100-091CF24A (A4L1673-87)				Matrix: Drinking Water				
Batch: 25A0307								
Lead	3.76	---	0.200	ug/L	1	01/13/25 15:07	EPA 200.8	
21880100-092DW24A (A4L1673-88)				Matrix: Drinking Water				
Batch: 25A0307								
Lead	4.64	---	0.200	ug/L	1	01/13/25 15:08	EPA 200.8	
21880100-093BF24A (A4L1673-89)				Matrix: Drinking Water				
Batch: 25A0307								
Lead	2.06	---	0.200	ug/L	1	01/13/25 15:10	EPA 200.8	
21880100-094SF24A (A4L1673-90)				Matrix: Drinking Water				
Batch: 25A0307								
Lead	3.06	---	0.200	ug/L	1	01/13/25 15:12	EPA 200.8	

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Project Number: Riverdale Grade School/240
Project Manager: Sean GrabinerReport ID:
A4L1673 - 01 14 25 1041

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
21880000-095SF24A (A4L1673-91)				Matrix: Drinking Water				
Batch: 25A0307								
Lead	0.377	---	0.200	ug/L	1	01/13/25 15:14	EPA 200.8	
21880000-096BF24A (A4L1673-92)				Matrix: Drinking Water				
Batch: 25A0328								
Lead	1.32	---	0.200	ug/L	1	01/13/25 15:25	EPA 200.8	
21880101-097CF24A (A4L1673-93)				Matrix: Drinking Water				
Batch: 25A0328								
Lead	1.39	---	0.200	ug/L	1	01/13/25 15:31	EPA 200.8	
21880101-099BF24A (A4L1673-94)				Matrix: Drinking Water				
Batch: 25A0328								
Lead	1.70	---	0.200	ug/L	1	01/13/25 15:33	EPA 200.8	
21880102-100WB24A (A4L1673-95)				Matrix: Drinking Water				
Batch: 25A0328								
Lead	1.04	---	0.200	ug/L	1	01/13/25 15:34	EPA 200.8	
21880102-101DW24A (A4L1673-96)				Matrix: Drinking Water				
Batch: 25A0328								
Lead	1.12	---	0.200	ug/L	1	01/13/25 15:36	EPA 200.8	
21880102-102DW24A (A4L1673-97)				Matrix: Drinking Water				
Batch: 25A0328								
Lead	1.16	---	0.200	ug/L	1	01/13/25 15:38	EPA 200.8	
21880102-103SF24A (A4L1673-98)				Matrix: Drinking Water				
Batch: 25A0328								
Lead	28.2	---	0.200	ug/L	1	01/13/25 15:44	EPA 200.8	
21880102-104BF24A (A4L1673-99)				Matrix: Drinking Water				
Batch: 25A0328								
Lead	2.00	---	0.200	ug/L	1	01/13/25 15:46	EPA 200.8	

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Portland, OR 97239Project: Riverdale School District
Project Number: Riverdale Grade School/240
Project Manager: Sean Grabiner**Report ID:**
A4L1673 - 01 14 25 1041

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
21880102-105BF24A (A4L1673-AA)				Matrix: Drinking Water				
Batch: 25A0328								
Lead	1.99	---	0.200	ug/L	1	01/13/25 15:48	EPA 200.8	
21880102-106BF24A (A4L1673-AB)				Matrix: Drinking Water				
Batch: 25A0328								
Lead	2.12	---	0.200	ug/L	1	01/13/25 15:49	EPA 200.8	
21880102-107BF24A (A4L1673-AC)				Matrix: Drinking Water				
Batch: 25A0328								
Lead	1.69	---	0.200	ug/L	1	01/13/25 15:51	EPA 200.8	
21880102-108BF24A (A4L1673-AD)				Matrix: Drinking Water				
Batch: 25A0328								
Lead	1.67	---	0.200	ug/L	1	01/13/25 15:53	EPA 200.8	
21880102-109BF24A (A4L1673-AE)				Matrix: Drinking Water				
Batch: 25A0328								
Lead	1.84	---	0.200	ug/L	1	01/13/25 15:55	EPA 200.8	
21880102-110DW24A (A4L1673-AF)				Matrix: Drinking Water				
Batch: 25A0328								
Lead	0.642	---	0.200	ug/L	1	01/13/25 15:57	EPA 200.8	
21880102-112KF24A (A4L1673-AG)				Matrix: Drinking Water				
Batch: 25A0328								
Lead	2.89	---	0.200	ug/L	1	01/13/25 15:59	EPA 200.8	
21880102-113KF24A (A4L1673-AH)				Matrix: Drinking Water				
Batch: 25A0328								
Lead	6.72	---	0.200	ug/L	1	01/13/25 16:02	EPA 200.8	
21880102-114KF24A (A4L1673-AI)				Matrix: Drinking Water				
Batch: 25A0328								
Lead	7.05	---	0.200	ug/L	1	01/13/25 16:08	EPA 200.8	

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

Project: **Riverdale School District**
Project Number: **Riverdale Grade School/240**
Project Manager: **Sean Grabiner**

Report ID:
A4L1673 - 01 14 25 1041

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
21880102-115KF24A (A4L1673-AJ)				Matrix: Drinking Water				
Batch: 25A0328								
Lead	7.36	---	0.200	ug/L	1	01/13/25 16:10	EPA 200.8	
21880102-116KF24A (A4L1673-AK)				Matrix: Drinking Water				
Batch: 25A0328								
Lead	20.4	---	0.200	ug/L	1	01/13/25 16:12	EPA 200.8	
21880102-117KF24A (A4L1673-AL)				Matrix: Drinking Water				
Batch: 25A0328								
Lead	3.98	---	0.200	ug/L	1	01/13/25 16:14	EPA 200.8	
21880102-118KF24A (A4L1673-AM)				Matrix: Drinking Water				
Batch: 25A0332								
Lead	5.64	---	0.200	ug/L	1	01/13/25 16:21	EPA 200.8	
21880102-120DW24A (A4L1673-AN)				Matrix: Drinking Water				
Batch: 25A0332								
Lead	ND	---	0.200	ug/L	1	01/13/25 16:32	EPA 200.8	
21880102-119IN24A (A4L1673-AO)				Matrix: Drinking Water				
Batch: 25A0332								
Lead	ND	---	0.200	ug/L	1	01/13/25 16:34	EPA 200.8	

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Portland, OR 97239Project: Riverdale School District
Project Number: Riverdale Grade School/240
Project Manager: Sean GrabinerReport ID:
A4L1673 - 01 14 25 1041

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 25A0235 - EPA 200.8 Direct Analysis							Drinking Water					
Blank (25A0235-BLK1)		Prepared: 01/08/25 17:14 Analyzed: 01/09/25 13:57										
<u>EPA 200.8</u>												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (25A0235-BS1)		Prepared: 01/08/25 17:14 Analyzed: 01/09/25 13:59										
<u>EPA 200.8</u>												
Lead	15.0	---	0.201	ug/L	1	15.0	---	100	85 - 115%	---	---	
Matrix Spike (25A0235-MS2)		Prepared: 01/08/25 17:14 Analyzed: 01/09/25 14:53										
<u>QC Source Sample: 21880100-012DW24A (A4L1673-12)</u>												
<u>EPA 200.8</u>												
Lead	18.3	---	0.201	ug/L	1	15.0	3.16	101	70 - 130%	---	---	
Batch 25A0237 - EPA 200.8 Direct Analysis							Drinking Water					
Blank (25A0237-BLK1)		Prepared: 01/08/25 18:09 Analyzed: 01/09/25 14:55										
<u>EPA 200.8</u>												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (25A0237-BS1)		Prepared: 01/08/25 18:09 Analyzed: 01/09/25 14:57										
<u>EPA 200.8</u>												
Lead	15.6	---	0.201	ug/L	1	15.0	---	104	85 - 115%	---	---	
Duplicate (25A0237-DUP1)		Prepared: 01/08/25 18:09 Analyzed: 01/09/25 15:01										
<u>QC Source Sample: 21880100-013CF24A (A4L1673-13)</u>												
<u>EPA 200.8</u>												
Lead	4.26	---	0.200	ug/L	1	---	4.19	---	---	2	20%	
Matrix Spike (25A0237-MS1)		Prepared: 01/08/25 18:09 Analyzed: 01/09/25 15:02										
<u>QC Source Sample: 21880100-013CF24A (A4L1673-13)</u>												
<u>EPA 200.8</u>												
Lead	19.8	---	0.201	ug/L	1	15.0	4.19	104	70 - 130%	---	---	
Matrix Spike (25A0237-MS2)		Prepared: 01/08/25 18:09 Analyzed: 01/09/25 17:23										
<u>QC Source Sample: 21880100-032DW24A (A4L1673-32)</u>												

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Project: **Riverdale School District**
Project Number: **Riverdale Grade School/240**
Project Manager: **Sean Grabiner**

Report ID:
A4L1673 - 01 14 25 1041

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 25A0237 - EPA 200.8 Direct Analysis							Drinking Water					
Matrix Spike (25A0237-MS2)		Prepared: 01/08/25 18:09 Analyzed: 01/09/25 17:23										
QC Source Sample: 21880100-032DW24A (A4L1673-32)												
EPA 200.8												
Lead	17.3	---	0.201	ug/L	1	15.0	2.78	97	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 25A0275 - EPA 200.8 Direct Analysis							Drinking Water					
Blank (25A0275-BLK1)		Prepared: 01/09/25 13:58 Analyzed: 01/09/25 17:25										
<u>EPA 200.8</u>												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (25A0275-BS1)		Prepared: 01/09/25 13:58 Analyzed: 01/09/25 17:27										
<u>EPA 200.8</u>												
Lead	15.1	---	0.201	ug/L	1	15.0	---	101	85 - 115%	---	---	
Duplicate (25A0275-DUP1)		Prepared: 01/09/25 13:58 Analyzed: 01/09/25 17:34										
<u>QC Source Sample: 21880100-033CF24A (A4L1673-33)</u>												
<u>EPA 200.8</u>												
Lead	2.27	---	0.200	ug/L	1	---	2.21	---	---	2	20%	
Matrix Spike (25A0275-MS1)		Prepared: 01/09/25 13:58 Analyzed: 01/09/25 17:36										
<u>QC Source Sample: 21880100-033CF24A (A4L1673-33)</u>												
<u>EPA 200.8</u>												
Lead	16.9	---	0.201	ug/L	1	15.0	2.21	98	70 - 130%	---	---	
Matrix Spike (25A0275-MS2)		Prepared: 01/09/25 13:58 Analyzed: 01/09/25 18:20										
<u>QC Source Sample: 21880100-053CF24A (A4L1673-52)</u>												
<u>EPA 200.8</u>												
Lead	17.2	---	0.201	ug/L	1	15.0	3.06	94	70 - 130%	---	---	

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Jason Woodcock, Project Manager

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**ANALYTICAL REPORT****Apex Laboratories, LLC**6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062**PBS Engineering and Environmental**
4412 S Corbett Ave
Portland, OR 97239Project: **Riverdale School District**
Project Number: **Riverdale Grade School/240**
Project Manager: **Sean Grabiner****Report ID:**
A4L1673 - 01 14 25 1041**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 25A0282 - EPA 200.8 Direct Analysis							Drinking Water					
Blank (25A0282-BLK1)		Prepared: 01/09/25 15:24			Analyzed: 01/13/25 13:31							
EPA 200.8												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (25A0282-BS1)		Prepared: 01/09/25 15:24			Analyzed: 01/13/25 13:33							
EPA 200.8												
Lead	15.2	---	0.201	ug/L	1	15.0	---	101	85 - 115%	---	---	
Duplicate (25A0282-DUP1)		Prepared: 01/09/25 15:24			Analyzed: 01/13/25 13:36							
QC Source Sample: 21880100-054CF24A (A4L1673-53)												
EPA 200.8												
Lead	2.31	---	0.200	ug/L	1	---	2.33	---	---	1	20%	
Matrix Spike (25A0282-MS1)		Prepared: 01/09/25 15:24			Analyzed: 01/13/25 13:38							
QC Source Sample: 21880100-054CF24A (A4L1673-53)												
EPA 200.8												
Lead	17.3	---	0.201	ug/L	1	15.0	2.33	100	70 - 130%	---	---	
Matrix Spike (25A0282-MS2)		Prepared: 01/09/25 15:24			Analyzed: 01/13/25 14:22							
QC Source Sample: 21880100-076CF24A (A4L1673-72)												
EPA 200.8												
Lead	38.6	---	0.201	ug/L	1	15.0	23.5	100	70 - 130%	---	---	

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

Project: **Riverdale School District**
Project Number: **Riverdale Grade School/240**
Project Manager: **Sean Grabiner**

Report ID:
A4L1673 - 01 14 25 1041

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 25A0307 - EPA 200.8 Direct Analysis							Drinking Water					
Blank (25A0307-BLK1)		Prepared: 01/10/25 09:19		Analyzed: 01/13/25 14:24								
EPA 200.8												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (25A0307-BS1)		Prepared: 01/10/25 09:19		Analyzed: 01/13/25 14:26								
EPA 200.8												
Lead	15.8	---	0.201	ug/L	1	15.0	---	105	85 - 115%	---	---	
Matrix Spike (25A0307-MS2)		Prepared: 01/10/25 09:19		Analyzed: 01/13/25 15:16								
QC Source Sample: 21880000-095SF24A (A4L1673-91)												
EPA 200.8												
Lead	16.0	---	0.201	ug/L	1	15.0	0.377	104	70 - 130%	---	---	

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503-718-2323
ORELAP ID: OR100062PBS Engineering and Environmental
4412 S Corbett Ave
Portland, OR 97239Project: Riverdale School District
Project Number: Riverdale Grade School/240
Project Manager: Sean GrabinerReport ID:
A4L1673 - 01 14 25 1041

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 25A0328 - EPA 200.8 Direct Analysis							Drinking Water					
Blank (25A0328-BLK1)		Prepared: 01/10/25 13:43			Analyzed: 01/13/25 15:21							
<u>EPA 200.8</u>												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (25A0328-BS1)		Prepared: 01/10/25 13:43			Analyzed: 01/13/25 15:23							
<u>EPA 200.8</u>												
Lead	15.9	---	0.201	ug/L	1	15.0	---	106	85 - 115%	---	---	
Duplicate (25A0328-DUP1)		Prepared: 01/10/25 13:43			Analyzed: 01/13/25 15:27							
<u>QC Source Sample: 21880000-096BF24A (A4L1673-92)</u>												
<u>EPA 200.8</u>												
Lead	1.37	---	0.200	ug/L	1	---	1.32	---	---	3	20%	
Matrix Spike (25A0328-MS1)		Prepared: 01/10/25 13:43			Analyzed: 01/13/25 15:29							
<u>QC Source Sample: 21880000-096BF24A (A4L1673-92)</u>												
<u>EPA 200.8</u>												
Lead	16.9	---	0.201	ug/L	1	15.0	1.32	104	70 - 130%	---	---	
Matrix Spike (25A0328-MS2)		Prepared: 01/10/25 13:43			Analyzed: 01/13/25 16:16							
<u>QC Source Sample: 21880102-117KF24A (A4L1673-AL)</u>												
<u>EPA 200.8</u>												
Lead	19.6	---	0.201	ug/L	1	15.0	3.98	104	70 - 130%	---	---	

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ORELAP ID: OR100062

PBS Engineering and Environmental4412 S Corbett Ave
Portland, OR 97239Project: **Riverdale School District**Project Number: **Riverdale Grade School/240**Project Manager: **Sean Grabiner****Report ID:****A4L1673 - 01 14 25 1041**

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 25A0332 - EPA 200.8 Direct Analysis							Drinking Water					
Blank (25A0332-BLK1)		Prepared: 01/10/25 14:38 Analyzed: 01/13/25 16:17										
EPA 200.8												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (25A0332-BS1)		Prepared: 01/10/25 14:38 Analyzed: 01/13/25 16:19										
EPA 200.8												
Lead	16.2	---	0.201	ug/L	1	15.0	---	108	85 - 115%	---	---	
Duplicate (25A0332-DUP1)		Prepared: 01/10/25 14:38 Analyzed: 01/13/25 16:23										
QC Source Sample: 21880102-118KF24A (A4L1673-AM)												
EPA 200.8												
Lead	5.63	---	0.200	ug/L	1	---	5.64	---	---	0.2	20%	
Matrix Spike (25A0332-MS1)		Prepared: 01/10/25 14:38 Analyzed: 01/13/25 16:25										
QC Source Sample: 21880102-118KF24A (A4L1673-AM)												
EPA 200.8												
Lead	22.4	---	0.201	ug/L	1	15.0	5.64	112	70 - 130%	---	---	

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Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062**PBS Engineering and Environmental**4412 S Corbett Ave
Portland, OR 97239Project: **Riverdale School District**Project Number: **Riverdale Grade School/240**
Project Manager: **Sean Grabiner****Report ID:****A4L1673 - 01 14 25 1041****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: 25A0235</u>							
A4L1673-01	Drinking Water	EPA 200.8	12/21/24 00:00	01/08/25 17:14	10mL/10mL	10mL/10mL	1.00
A4L1673-02	Drinking Water	EPA 200.8	12/21/24 00:00	01/08/25 17:14	10mL/10mL	10mL/10mL	1.00
A4L1673-03	Drinking Water	EPA 200.8	12/21/24 00:00	01/08/25 17:14	10mL/10mL	10mL/10mL	1.00
A4L1673-04	Drinking Water	EPA 200.8	12/21/24 00:00	01/08/25 17:14	10mL/10mL	10mL/10mL	1.00
A4L1673-05	Drinking Water	EPA 200.8	12/21/24 00:00	01/08/25 17:14	10mL/10mL	10mL/10mL	1.00
A4L1673-06	Drinking Water	EPA 200.8	12/21/24 00:00	01/08/25 17:14	10mL/10mL	10mL/10mL	1.00
A4L1673-07	Drinking Water	EPA 200.8	12/21/24 00:00	01/08/25 17:14	10mL/10mL	10mL/10mL	1.00
A4L1673-08	Drinking Water	EPA 200.8	12/21/24 00:00	01/08/25 17:14	10mL/10mL	10mL/10mL	1.00
A4L1673-09	Drinking Water	EPA 200.8	12/21/24 00:00	01/08/25 17:14	10mL/10mL	10mL/10mL	1.00
A4L1673-10	Drinking Water	EPA 200.8	12/21/24 00:00	01/08/25 17:14	10mL/10mL	10mL/10mL	1.00
A4L1673-11	Drinking Water	EPA 200.8	12/21/24 00:00	01/08/25 17:14	10mL/10mL	10mL/10mL	1.00
A4L1673-12	Drinking Water	EPA 200.8	12/21/24 00:00	01/08/25 17:14	10mL/10mL	10mL/10mL	1.00
<u>Batch: 25A0237</u>							
A4L1673-13	Drinking Water	EPA 200.8	12/21/24 00:00	01/08/25 18:09	10mL/10mL	10mL/10mL	1.00
A4L1673-14	Drinking Water	EPA 200.8	12/21/24 00:00	01/08/25 18:09	10mL/10mL	10mL/10mL	1.00
A4L1673-15	Drinking Water	EPA 200.8	12/21/24 00:00	01/08/25 18:09	10mL/10mL	10mL/10mL	1.00
A4L1673-16	Drinking Water	EPA 200.8	12/21/24 00:00	01/08/25 18:09	10mL/10mL	10mL/10mL	1.00
A4L1673-17	Drinking Water	EPA 200.8	12/21/24 00:00	01/08/25 18:09	10mL/10mL	10mL/10mL	1.00
A4L1673-18	Drinking Water	EPA 200.8	12/21/24 00:00	01/08/25 18:09	10mL/10mL	10mL/10mL	1.00
A4L1673-19	Drinking Water	EPA 200.8	12/21/24 00:00	01/08/25 18:09	10mL/10mL	10mL/10mL	1.00
A4L1673-20	Drinking Water	EPA 200.8	12/21/24 00:00	01/08/25 18:09	10mL/10mL	10mL/10mL	1.00
A4L1673-21	Drinking Water	EPA 200.8	12/21/24 00:00	01/08/25 18:09	10mL/10mL	10mL/10mL	1.00
A4L1673-22	Drinking Water	EPA 200.8	12/21/24 00:00	01/08/25 18:09	10mL/10mL	10mL/10mL	1.00
A4L1673-23	Drinking Water	EPA 200.8	12/21/24 00:00	01/08/25 18:09	10mL/10mL	10mL/10mL	1.00
A4L1673-24	Drinking Water	EPA 200.8	12/21/24 00:00	01/08/25 18:09	10mL/10mL	10mL/10mL	1.00
A4L1673-25	Drinking Water	EPA 200.8	12/21/24 00:00	01/08/25 18:09	10mL/10mL	10mL/10mL	1.00
A4L1673-26	Drinking Water	EPA 200.8	12/21/24 00:00	01/08/25 18:09	10mL/10mL	10mL/10mL	1.00
A4L1673-27	Drinking Water	EPA 200.8	12/21/24 00:00	01/08/25 18:09	10mL/10mL	10mL/10mL	1.00
A4L1673-28	Drinking Water	EPA 200.8	12/21/24 00:00	01/08/25 18:09	10mL/10mL	10mL/10mL	1.00
A4L1673-29	Drinking Water	EPA 200.8	12/21/24 00:00	01/08/25 18:09	10mL/10mL	10mL/10mL	1.00
A4L1673-30	Drinking Water	EPA 200.8	12/21/24 00:00	01/08/25 18:09	10mL/10mL	10mL/10mL	1.00
A4L1673-31	Drinking Water	EPA 200.8	12/21/24 00:00	01/08/25 18:09	10mL/10mL	10mL/10mL	1.00
A4L1673-32	Drinking Water	EPA 200.8	12/21/24 00:00	01/08/25 18:09	10mL/10mL	10mL/10mL	1.00
<u>Batch: 25A0275</u>							
A4L1673-33	Drinking Water	EPA 200.8	12/21/24 00:00	01/09/25 13:58	10mL/10mL	10mL/10mL	1.00

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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

PBS Engineering and Environmental

4412 S Corbett Ave
Portland, OR 97239

Project: **Riverdale School District**

Project Number: **Riverdale Grade School/240**

Project Manager: **Sean Grabiner**

Report ID:

A4L1673 - 01 14 25 1041

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
A4L1673-34	Drinking Water	EPA 200.8	12/21/24 00:00	01/09/25 13:58	10mL/10mL	10mL/10mL	1.00
A4L1673-35	Drinking Water	EPA 200.8	12/21/24 00:00	01/09/25 13:58	10mL/10mL	10mL/10mL	1.00
A4L1673-36	Drinking Water	EPA 200.8	12/21/24 00:00	01/09/25 13:58	10mL/10mL	10mL/10mL	1.00
A4L1673-37	Drinking Water	EPA 200.8	12/21/24 00:00	01/09/25 13:58	10mL/10mL	10mL/10mL	1.00
A4L1673-38	Drinking Water	EPA 200.8	12/21/24 00:00	01/09/25 13:58	10mL/10mL	10mL/10mL	1.00
A4L1673-39	Drinking Water	EPA 200.8	12/21/24 00:00	01/09/25 13:58	10mL/10mL	10mL/10mL	1.00
A4L1673-40	Drinking Water	EPA 200.8	12/21/24 00:00	01/09/25 13:58	10mL/10mL	10mL/10mL	1.00
A4L1673-41	Drinking Water	EPA 200.8	12/21/24 00:00	01/09/25 13:58	10mL/10mL	10mL/10mL	1.00
A4L1673-42	Drinking Water	EPA 200.8	12/21/24 00:00	01/09/25 13:58	10mL/10mL	10mL/10mL	1.00
A4L1673-43	Drinking Water	EPA 200.8	12/21/24 00:00	01/09/25 13:58	10mL/10mL	10mL/10mL	1.00
A4L1673-44	Drinking Water	EPA 200.8	12/21/24 00:00	01/09/25 13:58	10mL/10mL	10mL/10mL	1.00
A4L1673-45	Drinking Water	EPA 200.8	12/21/24 00:00	01/09/25 13:58	10mL/10mL	10mL/10mL	1.00
A4L1673-46	Drinking Water	EPA 200.8	12/21/24 00:00	01/09/25 13:58	10mL/10mL	10mL/10mL	1.00
A4L1673-47	Drinking Water	EPA 200.8	12/21/24 00:00	01/09/25 13:58	10mL/10mL	10mL/10mL	1.00
A4L1673-48	Drinking Water	EPA 200.8	12/21/24 00:00	01/09/25 13:58	10mL/10mL	10mL/10mL	1.00
A4L1673-49	Drinking Water	EPA 200.8	12/21/24 00:00	01/09/25 13:58	10mL/10mL	10mL/10mL	1.00
A4L1673-50	Drinking Water	EPA 200.8	12/21/24 00:00	01/09/25 13:58	10mL/10mL	10mL/10mL	1.00
A4L1673-51	Drinking Water	EPA 200.8	12/21/24 00:00	01/09/25 13:58	10mL/10mL	10mL/10mL	1.00
A4L1673-52	Drinking Water	EPA 200.8	12/21/24 00:00	01/09/25 13:58	10mL/10mL	10mL/10mL	1.00
<u>Batch: 25A0282</u>							
A4L1673-53	Drinking Water	EPA 200.8	12/21/24 00:00	01/09/25 15:24	10mL/10mL	10mL/10mL	1.00
A4L1673-54	Drinking Water	EPA 200.8	12/21/24 00:00	01/09/25 15:24	10mL/10mL	10mL/10mL	1.00
A4L1673-55	Drinking Water	EPA 200.8	12/21/24 00:00	01/09/25 15:24	10mL/10mL	10mL/10mL	1.00
A4L1673-56	Drinking Water	EPA 200.8	12/21/24 00:00	01/09/25 15:24	10mL/10mL	10mL/10mL	1.00
A4L1673-57	Drinking Water	EPA 200.8	12/21/24 00:00	01/09/25 15:24	10mL/10mL	10mL/10mL	1.00
A4L1673-58	Drinking Water	EPA 200.8	12/21/24 00:00	01/09/25 15:24	10mL/10mL	10mL/10mL	1.00
A4L1673-59	Drinking Water	EPA 200.8	12/21/24 00:00	01/09/25 15:24	10mL/10mL	10mL/10mL	1.00
A4L1673-60	Drinking Water	EPA 200.8	12/21/24 00:00	01/09/25 15:24	10mL/10mL	10mL/10mL	1.00
A4L1673-61	Drinking Water	EPA 200.8	12/21/24 00:00	01/09/25 15:24	10mL/10mL	10mL/10mL	1.00
A4L1673-62	Drinking Water	EPA 200.8	12/21/24 00:00	01/09/25 15:24	10mL/10mL	10mL/10mL	1.00
A4L1673-63	Drinking Water	EPA 200.8	12/21/24 00:00	01/09/25 15:24	10mL/10mL	10mL/10mL	1.00
A4L1673-64	Drinking Water	EPA 200.8	12/21/24 00:00	01/09/25 15:24	10mL/10mL	10mL/10mL	1.00
A4L1673-65	Drinking Water	EPA 200.8	12/21/24 00:00	01/09/25 15:24	10mL/10mL	10mL/10mL	1.00
A4L1673-66	Drinking Water	EPA 200.8	12/21/24 00:00	01/09/25 15:24	10mL/10mL	10mL/10mL	1.00
A4L1673-67	Drinking Water	EPA 200.8	12/21/24 00:00	01/09/25 15:24	10mL/10mL	10mL/10mL	1.00
A4L1673-68	Drinking Water	EPA 200.8	12/21/24 00:00	01/09/25 15:24	10mL/10mL	10mL/10mL	1.00
A4L1673-69	Drinking Water	EPA 200.8	12/21/24 00:00	01/09/25 15:24	10mL/10mL	10mL/10mL	1.00

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**ANALYTICAL REPORT****Apex Laboratories, LLC**6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323

ORELAP ID: OR100062

PBS Engineering and Environmental4412 S Corbett Ave
Portland, OR 97239Project: **Riverdale School District**Project Number: **Riverdale Grade School/240**Project Manager: **Sean Grabiner****Report ID:****A4L1673 - 01 14 25 1041****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
A4L1673-70	Drinking Water	EPA 200.8	12/21/24 00:00	01/09/25 15:24	10mL/10mL	10mL/10mL	1.00
A4L1673-71	Drinking Water	EPA 200.8	12/21/24 00:00	01/09/25 15:24	10mL/10mL	10mL/10mL	1.00
A4L1673-72	Drinking Water	EPA 200.8	12/21/24 00:00	01/09/25 15:24	10mL/10mL	10mL/10mL	1.00
<u>Batch: 25A0307</u>							
A4L1673-73	Drinking Water	EPA 200.8	12/21/24 00:00	01/10/25 09:19	10mL/10mL	10mL/10mL	1.00
A4L1673-74	Drinking Water	EPA 200.8	12/21/24 00:00	01/10/25 09:19	10mL/10mL	10mL/10mL	1.00
A4L1673-75	Drinking Water	EPA 200.8	12/21/24 00:00	01/10/25 09:19	10mL/10mL	10mL/10mL	1.00
A4L1673-76	Drinking Water	EPA 200.8	12/21/24 00:00	01/10/25 09:19	10mL/10mL	10mL/10mL	1.00
A4L1673-77	Drinking Water	EPA 200.8	12/21/24 00:00	01/10/25 09:19	10mL/10mL	10mL/10mL	1.00
A4L1673-78	Drinking Water	EPA 200.8	12/21/24 00:00	01/10/25 09:19	10mL/10mL	10mL/10mL	1.00
A4L1673-79	Drinking Water	EPA 200.8	12/21/24 00:00	01/10/25 09:19	10mL/10mL	10mL/10mL	1.00
A4L1673-80	Drinking Water	EPA 200.8	12/21/24 00:00	01/10/25 09:19	10mL/10mL	10mL/10mL	1.00
A4L1673-81	Drinking Water	EPA 200.8	12/21/24 00:00	01/10/25 09:19	10mL/10mL	10mL/10mL	1.00
A4L1673-82	Drinking Water	EPA 200.8	12/21/24 00:00	01/10/25 09:19	10mL/10mL	10mL/10mL	1.00
A4L1673-83	Drinking Water	EPA 200.8	12/21/24 00:00	01/10/25 09:19	10mL/10mL	10mL/10mL	1.00
A4L1673-84	Drinking Water	EPA 200.8	12/21/24 00:00	01/10/25 09:19	10mL/10mL	10mL/10mL	1.00
A4L1673-85	Drinking Water	EPA 200.8	12/21/24 00:00	01/10/25 09:19	10mL/10mL	10mL/10mL	1.00
A4L1673-86	Drinking Water	EPA 200.8	12/21/24 00:00	01/10/25 09:19	10mL/10mL	10mL/10mL	1.00
A4L1673-87	Drinking Water	EPA 200.8	12/21/24 00:00	01/10/25 09:19	10mL/10mL	10mL/10mL	1.00
A4L1673-88	Drinking Water	EPA 200.8	12/21/24 00:00	01/10/25 09:19	10mL/10mL	10mL/10mL	1.00
A4L1673-89	Drinking Water	EPA 200.8	12/21/24 00:00	01/10/25 09:19	10mL/10mL	10mL/10mL	1.00
A4L1673-90	Drinking Water	EPA 200.8	12/21/24 00:00	01/10/25 09:19	10mL/10mL	10mL/10mL	1.00
A4L1673-91	Drinking Water	EPA 200.8	12/21/24 00:00	01/10/25 09:19	10mL/10mL	10mL/10mL	1.00
<u>Batch: 25A0328</u>							
A4L1673-92	Drinking Water	EPA 200.8	12/21/24 00:00	01/10/25 13:43	10mL/10mL	10mL/10mL	1.00
A4L1673-93	Drinking Water	EPA 200.8	12/21/24 00:00	01/10/25 13:43	10mL/10mL	10mL/10mL	1.00
A4L1673-94	Drinking Water	EPA 200.8	12/21/24 00:00	01/10/25 13:43	10mL/10mL	10mL/10mL	1.00
A4L1673-95	Drinking Water	EPA 200.8	12/21/24 00:00	01/10/25 13:43	10mL/10mL	10mL/10mL	1.00
A4L1673-96	Drinking Water	EPA 200.8	12/21/24 00:00	01/10/25 13:43	10mL/10mL	10mL/10mL	1.00
A4L1673-97	Drinking Water	EPA 200.8	12/21/24 00:00	01/10/25 13:43	10mL/10mL	10mL/10mL	1.00
A4L1673-98	Drinking Water	EPA 200.8	12/21/24 00:00	01/10/25 13:43	10mL/10mL	10mL/10mL	1.00
A4L1673-99	Drinking Water	EPA 200.8	12/21/24 00:00	01/10/25 13:43	10mL/10mL	10mL/10mL	1.00
A4L1673-AA	Drinking Water	EPA 200.8	12/21/24 00:00	01/10/25 13:43	10mL/10mL	10mL/10mL	1.00
A4L1673-AB	Drinking Water	EPA 200.8	12/21/24 00:00	01/10/25 13:43	10mL/10mL	10mL/10mL	1.00
A4L1673-AC	Drinking Water	EPA 200.8	12/21/24 00:00	01/10/25 13:43	10mL/10mL	10mL/10mL	1.00
A4L1673-AD	Drinking Water	EPA 200.8	12/21/24 00:00	01/10/25 13:43	10mL/10mL	10mL/10mL	1.00

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Jason Woodcock, Project Manager

Page 28 of 40

**ANALYTICAL REPORT****Apex Laboratories, LLC**6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323

ORELAP ID: OR100062

PBS Engineering and Environmental4412 S Corbett Ave
Portland, OR 97239Project: **Riverdale School District**Project Number: **Riverdale Grade School/240**Project Manager: **Sean Grabiner****Report ID:****A4L1673 - 01 14 25 1041****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
A4L1673-AE	Drinking Water	EPA 200.8	12/21/24 00:00	01/10/25 13:43	10mL/10mL	10mL/10mL	1.00
A4L1673-AF	Drinking Water	EPA 200.8	12/21/24 00:00	01/10/25 13:43	10mL/10mL	10mL/10mL	1.00
A4L1673-AG	Drinking Water	EPA 200.8	12/21/24 00:00	01/10/25 13:43	10mL/10mL	10mL/10mL	1.00
A4L1673-AH	Drinking Water	EPA 200.8	12/21/24 00:00	01/10/25 13:43	10mL/10mL	10mL/10mL	1.00
A4L1673-AI	Drinking Water	EPA 200.8	12/21/24 00:00	01/10/25 13:43	10mL/10mL	10mL/10mL	1.00
A4L1673-AJ	Drinking Water	EPA 200.8	12/21/24 00:00	01/10/25 13:43	10mL/10mL	10mL/10mL	1.00
A4L1673-AK	Drinking Water	EPA 200.8	12/21/24 00:00	01/10/25 13:43	10mL/10mL	10mL/10mL	1.00
A4L1673-AL	Drinking Water	EPA 200.8	12/21/24 00:00	01/10/25 13:43	10mL/10mL	10mL/10mL	1.00
<u>Batch: 25A0332</u>							
A4L1673-AM	Drinking Water	EPA 200.8	12/21/24 00:00	01/10/25 14:38	10mL/10mL	10mL/10mL	1.00
A4L1673-AN	Drinking Water	EPA 200.8	12/21/24 00:00	01/10/25 14:38	10mL/10mL	10mL/10mL	1.00
A4L1673-AO	Drinking Water	EPA 200.8	12/21/24 00:00	01/10/25 14:38	10mL/10mL	10mL/10mL	1.00

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Jason Woodcock, Project Manager

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ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
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ORELAP ID: OR100062

PBS Engineering and Environmental

4412 S Corbett Ave
Portland, OR 97239

Project: Riverdale School District

Project Number: Riverdale Grade School/240
Project Manager: Sean Grabiner

Report ID:

A4L1673 - 01 14 25 1041

QUALIFIER DEFINITIONS

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

There are No Qualifiers on Sample or QC Data for this report

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Jason Woodcock, Project Manager



ANALYTICAL REPORT

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PBS Engineering and Environmental

4412 S Corbett Ave
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Project: **Riverdale School District**

Project Number: **Riverdale Grade School/240**
Project Manager: **Sean Grabiner**

Report ID:

A4L1673 - 01 14 25 1041

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 one half of the Reporting Limit (RL).
Blank results for gravimetric analyses are evaluated to the Reporting Level, not to half of the Reporting Level.
-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.

Apex Laboratories

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Jason Woodcock, Project Manager



ANALYTICAL REPORT

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6700 S.W. Sandburg Street
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503-718-2323
ORELAP ID: OR100062

PBS Engineering and Environmental

4412 S Corbett Ave
Portland, OR 97239

Project: **Riverdale School District**

Project Number: **Riverdale Grade School/240**
Project Manager: **Sean Grabiner**

Report ID:
A4L1673 - 01 14 25 1041

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.

Benzofluoranthene Isomer Reporting:

Due to coelutions present on the analytical column, the results reported for Benzo(b+j)fluoranthene(s) represent the concentration of both the Benzo(b)fluoranthene and Benzo(j)fluoranthene isomers. Calibration, validation and accreditation are based on the Benzo(b)fluoranthene isomer.

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Jason Woodcock, Project Manager



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
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503-718-2323
ORELAP ID: OR100062

PBS Engineering and Environmental

4412 S Corbett Ave
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Project Number: **Riverdale Grade School/240**
Project Manager: **Sean Grabiner**

Report ID:

A4L1673 - 01 14 25 1041

Decanted Samples:

Soils/Sediments:

Unless TCLP analysis is required or there is notification otherwise for a specific project, all Soil and Sediments containing excess water are decanted prior to analysis in order to provide the most representative sample for analysis.

Water Samples:

Water samples containing solids and sediment may need to be decanted in order to eliminate these particulates from the water extractions. In the case of organics extractions, a solvent rinse of the container will not be performed.

Volatiles Soils (5035s)

Samples that are field preserved by 5035 for volatiles are dry weight corrected using the same dry weight correction as for normal analyses. In the case of decanted samples, the dry weight may be performed on a decanted sample, while the aliquot for 5035 may not have been treated the same way. If this is a concern, please submit separate containers for dry weight analysis for volatiles can be provided.

All samples decanted in the laboratory are noted in this report with the DCNT qualifier indicating the sample was decanted.

Apex Laboratories

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Jason Woodcock, Project Manager



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
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503-718-2323
ORELAP ID: OR100062

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

Project: **Riverdale School District**
Project Number: **Riverdale Grade School/240**
Project Manager: **Sean Grabiner**

Report ID:
A4L1673 - 01 14 25 1041

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
--------	----------	--------	---------	--------	---------------

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.

Apex Laboratories

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Jason Woodcock, Project Manager

PBS Engineering and Environmental

4412 S Corbett Ave

Portland, OR 97239

 Project: **Riverdale School District**

 Project Number: **Riverdale Grade School/240**

 Project Manager: **Sean Grabiner**
Report ID:
A4L1673 - 01 14 25 1041

A4L1673


 SCHOOL NAME: RIVERDALE GRADE SCHOOL - MAIN

 PROJECT #: 24013163

 ANALYSIS REQUESTED: LEAD (Pb)

 DATE: 12/21/24

 RELINQ'D BY/SIGNATURE: Sean Grabiner

 DATE/TIME: 12/23/24 6:20

 RECEIVED BY/SIGNATURE: Jason Woodcock

 DATE/TIME: 12/23/24 10:33

 EMAIL RESULTS TO: SEAN.GRABINER@PBSUSA.COM

 TURN AROUND TIME: STANDARD

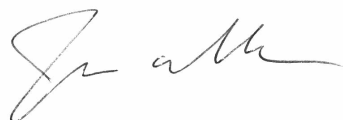
SAMPLE DATA FORM

LAB	SAMPLE #	SAMPLE TYPE	ROOM AND LOCATION
	21880100-001NS24A	Initial	1ST Floor; NURSES OFFICE
	-002BF24A	Initial	" " ; NURSES OFFICE BATHROOM
	-003CF24A	Initial	" " ; CLASSROOM 110, FAUCET
	-004DW24A	Initial	" " ; " " ; DRINKING FOUNTAIN
	-005CF24A	Initial	" " ; CLASSROOM 106, FAUCET
	-006DW24A	Initial	" " ; " " ; DRINKING FOUNTAIN
	-007CF24A	Initial	" " ; CLASSROOM 102, FAUCET
	-008DW24A	Initial	" " ; " " ; DRINKING FOUNTAIN
	-009CF24A	Initial	" " ; CLASSROOM 101, FAUCET
	-010DW24A	Initial	" " ; " " ; DRINKING FOUNTAIN
	-011CF24A	Initial	" " ; CLASSROOM 105, FAUCET
	-012DW24A	Initial	" " ; " " ; DRINKING FOUNTAIN
	-013CF24A	Initial	" " ; CLASSROOM 109, FAUCET
	-014DW24A	Initial	" " ; " " ; DRINKING FOUNTAIN
	-015BF24A	Initial	" " ; ~~RESTROOMS~~ RESTROOMS, SOUTH FAUCET
	-016BF24A	Initial	" " ; SOUTH " ; MIDDLE SOUTH FAUCET
	-017BF24A	Initial	" " ; " " ; MIDDLE NORTH FAUCET
	-018BF24A	Initial	" " ; " " ; NORTH FAUCET
	-019DW24A	Initial	" " ; CORRIDOR, ~~RESTROOMS~~ RESTROOMS, SOUTH FOUNTAIN
	-020DW24A	Initial	" " ; AT " ; NORTH FOUNTAIN
	-021DW24A	Initial	" " ; ~~RESTROOMS~~ RESTROOMS, SOUTH FOUNTAIN
	-022DW24A	Initial	" " ; " " ; NORTH FOUNTAIN
	-023BF24A	Initial	" " ; NORTH RESTROOMS, SOUTH FAUCET
	-024BF24A	Initial	" " ; " " ; MIDDLE SOUTH FAUCET
	-025BF24A	Initial	" " ; " " ; MIDDLE NORTH FAUCET
	-026BF24A	Initial	" " ; " " ; NORTH FAUCET

 PAGE 1 OF 5

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 (503) 248-1939, Fax: 1 (888) 866-727-0140

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Jason Woodcock, Project Manager

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4412 S Corbett Ave

Portland, OR 97239

 Project: **Riverdale School District**

 Project Number: **Riverdale Grade School/240**

 Project Manager: **Sean Grabiner**
Report ID:
A4L1673 - 01 14 25 1041

A4L1673


 SCHOOL NAME: RIVERDALE GRADE SCHOOL - MAIN

 PROJECT #: 24013163

 ANALYSIS REQUESTED: LEAD (Pb)

 DATE: 12/21/24

 RELINQ'D BY/SIGNATURE: SEAN GRABINER AA

 DATE/TIME: 12/23/24 6:20

 RECEIVED BY/SIGNATURE: JUSTA ESKENAZI

 DATE/TIME: 12/23/24 10:33

 EMAIL RESULTS TO: SEAN.GRABINER@PBSUSA.COM

 TURN AROUND TIME: STANDARD
SAMPLE DATA FORM

LAB	SAMPLE #	SAMPLE TYPE	ROOM AND LOCATION
	21880100 - 028 CF 24A	Initial	FIRST FLOOR ; CLASSROOM 127 ; FAUCET
	- 028 DW 24A	Initial	" " ; DRINKING FOUNTAIN
	- 029 CF 24A	Initial	" " ; CLASSROOM 131 ; FAUCET
	- 030 DW 24A	Initial	" " ; DRINKING FOUNTAIN
	- 031 CF 24A	Initial	" " ; CLASSROOM 135 ; FAUCET
	- 032 DW 24A	Initial	" " ; DRINKING FOUNTAIN
	- 033 CF 24A	Initial	" " ; CLASSROOM 136 ; FAUCET
	- 034 DW 24A	Initial	" " ; DRINKING FOUNTAIN
	- 035 CF 24A	Initial	" " ; CLASSROOM 132 ; FAUCET
	- 037 CF 24A	Initial	" " ; 128 ; "
	- 038 BF 24A	Initial	" " ; NORTH STAFF RESTROOM ; FAUCET
	- 039 BF 24A	Initial	" " ; SOUTH STAFF RESTROOM ; "
	- 040 SF 24A	Initial	" " ; BACKPACK LOUNGE ; FAUCET
	- 041 CF 24A	Initial	SECOND FLOOR ; CLASSROOM 210 ; FAUCET
	- 042 DW 24A	Initial	" " ; DRINKING FOUNTAIN
	- 043 CF 24A	Initial	" " ; CLASSROOM 206 ; FAUCET
	- 044 DW 24A	Initial	" " ; DRINKING FOUNTAIN
	- 045 CF 24A	Initial	" " ; CLASSROOM 202 ; FAUCET
	- 046 DW 24A	Initial	" " ; DRINKING FOUNTAIN
	- 047 CF 24A	Initial	" " ; CLASSROOM 201 ; FAUCET
	- 048 DW 24A	Initial	" " ; DRINKING FOUNTAIN
	- 049 CF 24A	Initial	" " ; CLASSROOM 205 ; "
	- 050 DW 24A	Initial	" " ; "
	- 051 CF 24A	Initial	" " ; 209 ; ART WALL, NORTH FAUCET
	- 052 CF 24A	Initial	" " ; " ; MIDDLE NORTH FAUCET
	- 053 CF 24A	Initial	" " ; " ; MIDDLE SOUTH FAUCET

 PAGE 2 OF 5

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 (503)-248-1939, Fax: 1 (888)-866-727-0140

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Jason Woodcock, Project Manager

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PBS Engineering and Environmental

4412 S Corbett Ave

Portland, OR 97239

Project: **Riverdale School District**

Project Number: **Riverdale Grade School/240**

Project Manager: **Sean Grabiner**
Report ID:
A4L1673 - 01 14 25 1041

A4L1673


SCHOOL NAME: RIVERDALE SCHOOL DISTRICT - MAIN

PROJECT #: 24013163

ANALYSIS REQUESTED: LEAD (Pb)

DATE: 12/21/24

RELINQ'D BY/SIGNATURE: SEAN GRABINER

DATE/TIME: 12/23/24 6:20

RECEIVED BY/SIGNATURE: Justin Eskerani

DATE/TIME: 12/23/24 10:23

EMAIL RESULTS TO: SEAN.GRABINER@PBSUSA.COM

TURN AROUND TIME: STANDARD

SAMPLE DATA FORM

LAB	SAMPLE #	SAMPLE TYPE	ROOM AND LOCATION
	21880100-054CF24A	Initial	SECOND FLOOR: CLASSROOM 209, EAST WALL, SOUTH FAUCET
	-055CF24A	Initial	" " ; " " ; SOUTH WALL, EAST FAUCET
	-057SF24A	Initial	" " ; " " ; STORAGE, FAUCET
	-058BF24A	Initial	" " ; SOUTH RESTROOMS, SOUTH FAUCET
	-059BF24A	Initial	" " ; " " ; SOUTH MIDDLE FAUCET
	-060BF24A	Initial	" " ; " " ; NORTH " "
	-061BF24A	Initial	" " ; " " ; NORTH FAUCET
	-062DW24A	Initial	" " ; CORRIDOR AT SOUTH RESTROOMS, SOUTH FOUNTAIN
	-063DW24A	Initial	" " ; " " ; NORTH FOUNTAIN
	-065DW24A	Initial	" " ; CORRIDOR AT NORTH RESTROOMS, NORTH FOUNTAIN
	-066WB24A	Initial	" " ; " " ; BOTTLE FILLER
	-067BF24A	Initial	" " ; NORTH RESTROOMS, SOUTH FAUCET
	-068BF24A	Initial	" " ; " " ; SOUTH MIDDLE FAUCET
	-069BF24A	Initial	" " ; " " ; NORTH MIDDLE FAUCET
	-070BF24A	Initial	" " ; " " ; NORTH FAUCET
	-071CF24A	Initial	" " ; CLASSROOM 227, EAST WALL, NORTH FAUCET
	-072CF24A	Initial	" " ; " " ; NORTH MIDDLE FAUCET
	-073CF24A	Initial	" " ; " " ; SOUTH MIDDLE FAUCET
	-074CF24A	Initial	" " ; " " ; SOUTH FAUCET
	-076CF24A	Initial	" " ; " " ; NORTH WALL, EAST FAUCET
	-077BF24A	Initial	" " ; " " ; STORAGE, FAUCET
	-078CF24A	Initial	" " ; CLASSROOM 231, FAUCET
	-079DW24A	Initial	" " ; " " ; DRINKING FOUNTAIN
	-080CF24A	Initial	" " ; CLASSROOM 235, FAUCET
	-081DW24A	Initial	" " ; " " ; DRINKING FOUNTAIN
	-082CF24A	Initial	" " ; CLASSROOM 236, FAUCET

PAGE 3 OF 5

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Apex Laboratories



Jason Woodcock, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

PBS Engineering and Environmental

4412 S Corbett Ave
Portland, OR 97239

Project: **Riverdale School District**

Project Number: **Riverdale Grade School/240**
Project Manager: **Sean Grabiner**

Report ID:

A4L1673 - 01 14 25 1041

A4L1673



SCHOOL NAME: RIVERDALE SCHOOL DISTRICT - MAIN

PROJECT #: 24013163

ANALYSIS REQUESTED: LEAD (Pb)

DATE: 12/21/24

RELINQ'D BY/SIGNATURE: Sean Grabiner

DATE/TIME: 12/23/24 6:20

RECEIVED BY/SIGNATURE: Justin Eskew

DATE/TIME: 12/23/24 10:33

EMAIL RESULTS TO: SEAN.GRABINER@PBSUSA.COM

TURN AROUND TIME: STANDARD

SAMPLE DATA FORM

LAB	SAMPLE #	SAMPLE TYPE	ROOM AND LOCATION
	21880100 - 083DW24A	Initial	SCHOOL FRONT, CLASSROOM 236, DRAINAGE FOUNTAIN
	- 084CF24A	Initial	" " , CLASSROOM 232, FAUCET
	- 085DW24A	Initial	" " , " " , DRAINAGE FOUNTAIN
	- 086BF24A	Initial	" " , STREET RESTROOM AT CLERK 232, FAUCET
	- 087CF24A	Initial	" " , CLASSROOM 228, WEST WALL, FAUCET
	- 088DW24A	Initial	" " , " " , " " , FOUNTAIN
	- 089CF24A	Initial	" " , " " , " " , FOUNTAIN
	- 090DW24A	Initial	" " , " " , " " , FOUNTAIN
	- 091CF24A	Initial	" " , " " , " " , EAST FAUCET
	- 092DW24A	Initial	" " , " " , " " , FOUNTAIN
	- 093BF24A	Initial	" " , RESTROOM AT 228, FAUCET
	- 094SF24A	Initial	" " , LIBRARY OFFICE, FAUCET
	21880000 - 095SF24A	Initial	DIRECTOR OFFICE; KITCHENETTE, FAUCET
	↓ - 096BF24A	Initial	" " ; RESTROOM FAUCET
	21880101 - 097CF24A	Initial	MUSIC & VIBRUM, BAND ROOM, FAUCET
	↓ - 098BF24A	Initial	" " , RESTROOM FAUCET
	21880102 - 100WB24A	Initial	COMMONS; OYM, BOTTLE FILLER
	- 101DW24A	Initial	" " ; " " , WEST FOUNTAIN
	- 102DW24A	Initial	" " ; " " , EAST FOUNTAIN
	- 103SF24A	Initial	" " ; BASEMENT, CUSTODIAN REST, FAUCET
	- 104BF24A	Initial	" " ; GYMS RESTROOM, EAST FAUCET
	- 105BF24A	Initial	" " ; " " , MIDDLE " "
	↓ - 106BF24A	Initial	" " ; " " , WEST " "

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PBS ENGINEERING + ENVIRONMENTAL, 4412 SW Corbett Ave, Portland, OR 97239
(503)-248-1939, Fax: 1 (888)-866-72140

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APEX LABS COOLER RECEIPT FORM

Client: PBS Element WO#: A4L1673

Project/Project #: RIVERSIDE GRADE SCHOOL / MAIN / 24013163

Delivery Info:

Date/time received: 12/23/24 @ 1033 By: JPE

Delivered by: Apex Client ESS FedEx UPS Radio Morgan SDS Evergreen Other

From USDA Regulated Origin? Yes No X

Cooler Inspection Date/time inspected: 12/23/24 @ 1231 By: JPE

Chain of Custody included? Yes X No

Signed/dated by client? Yes X No

Contains USDA Reg. Soils? Yes No X Unsure (email RegSoils)

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	18.2	17.4	18.0				
Custody seals? (Y/N)	N						
Received on ice? (Y/N)	N						
Temp. blanks? (Y/N)	N						
Ice type: (Gel/Real/Other)	NO ICE						
Condition (In/Out)	OUT						

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) 1616 ZA 12/23/24

Sample Inspection: Date/time inspected: 12/23/24 @ 1616 By: ZA

All samples intact? Yes X No Comments:

Bottle labels/COCs agree? Yes No X Comments: All cont. missing prefix and suffix

COC/container discrepancies form initiated? Yes No X

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

Do VOA vials have visible headspace? Yes No NA X

Comments:

Water samples: pH checked: Yes X No NA pH appropriate? Yes No X NA pH ID: A23112

Comments: -117, -116, -068, -052, -045, -046, -039 pH @

7. Repetition by 4ml HNO3

Labeled by: ZA

Witness:

Cooler Inspected by: ZA

Form Y-003 R-02