



June 3, 2024

Jeff Andrehsen
Scappoose School District
33589 SE High School Way
Scappoose, OR 97056

Via email: jandrehsen@scappoose.k12.or.us

Regarding: Drinking Water Sampling for Lead
Scappoose School District, Five Schools
33589 SE High School Way
Scappoose, OR 97056
PBS Project 27742.000, Phase 0001

Dear Mr. Andrehsen:

From April 17 through May 2, 2024, PBS Engineering and Environmental Inc. (PBS) performed drinking water sampling at Grant Watts Elementary School located at 52000 SE 3rd Pl, in Scappoose, Oregon, Warren Elementary School located at 34555 Berg Rd, in Warren, OR 97053, Otto Petersen Elementary School located at 52050 SE 3rd St, in Scappoose, OR 97056, Scappoose Middle School located at 52265 Lower Columbia River Hwy, in Scappoose, OR 97056, and Scappoose High School located at 33700 SE High School Way, in Scappoose, OR 97056. The testing was requested by Scappoose School District to ensure that concentrations of lead in drinking water remain below EPA action levels.

Sampling methodology and the interpretation of laboratory results were based on the EPA guidance document titled *3Ts for Reducing Lead in Drinking Water in Schools*, revised manual 2018. Following this guideline, PBS collected the first 250 milliliters (mL) of water from each test location (first draw). Each sample was collected after the water had been sitting stagnant between 8 and 18 hours. This EPA protocol is intended to maximize the likelihood that the highest concentrations of lead are found because the first 250 mL are analyzed for lead after overnight stagnation.

3Ts sampling protocol specifies 250-mL samples designed to assess the worst cases where the outlet is used for consumption. 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 water sampling process was supervised by a certified industrial hygienist (CIH) who is also an Oregon Health Authority certified lead risk assessor. The samples were delivered under chain of custody to Apex Laboratories in Tigard, Oregon for lead analysis.

325 drinking water samples were collected. Concentrations of lead in the samples ranged from under the laboratory limit of detection of 0.200 ppb to 135 ppb. Laboratory analysis indicates that 44 of the drinking water samples contained lead at concentrations at or above the EPA action level of 15 ppb. PBS is recommending the fixtures be replaced, thoroughly flushed, and re-sampled.

Tables A.1 through A.5 below list all samples in which lead concentrations were found to be above the EPA-mandated action level of 15 ppb. Laboratory analysis indicates all other samples were below this EPA action level. For more detail, please refer to the attached chain of custody form and laboratory report. It should be noted that samples 19440100-048CF24A and 19440400-036BF24A were not first draw samples, as they were leaking at the time of sampling, and as such, the results are not reliable, and a first draw sample could reveal a different lead concentration. See tables B.1 through B.2 for a list of non-first-draw fixtures with concentrations below EPA-mandated action levels.

Tables A.1-A.5: Lead Concentrations at or Above 15 ppb

Table A.1 – Grant Watts Elementary School

	Sample Number	Sample Location	Lead Concentration (ppb)
OFF 6/24	19440100-042CF24A	B5, classroom faucet	41.9
OFF 6/24	19440100-048CF24A	B1, classroom faucet <u>(not first draw)</u>	19.8
OFF 6/24	19440100-059DW24A	A3, drinking fountain	25.1

Table A.2 – Warren Elementary School

	Sample Number	Sample Location	Lead Concentration (ppb)
SIGN 6/24	19440300-004BF24A	Kitchen, outside of restroom, restroom faucet	40.1
OFF 6/24	19440300-011CF24A	Classroom B2, classroom faucet	34.6
SIGN 6/24	19440300-014SF24A	Library, staff faucet	22.5
OFF 6/24	19440300-017CF24A	Classroom C1, classroom faucet	17.4
SIGN 6/24	19440300-024BF24A	Men's restroom, left, restroom faucet	19.0
SIGN 6/24	19440300-025BF24A	Men's restroom, left center, restroom faucet	20.7
OFF 6/24	19440300-029CF24A	Classroom D5, classroom faucet	16.4
OFF 6/24	19440300-031CF24A	Classroom D4, classroom faucet	26.1
OFF 6/24	19440300-034CF24A	Classroom D2, classroom faucet	18.6
OFF 6/24	19440300-036CF24A	Classroom D1, classroom faucet	23.6

Table A.3 – Otto Petersen Elementary School

	Sample Number	Sample Location	Lead Concentration (ppb)
SIGN 6/24	19440200-001KF24A	Kitchen, central area, SE, right hot pot faucet	17.4
SIGN 6/24	19440200-002KF24A	Kitchen, central area, SW, left hot pot faucet	23.3
SIGN 6/24	19440200-007KF24A	Kitchen, E dividing wall, West wall mount sinks	49.2
SIGN 6/24	19440200-008KF24A	Kitchen, E wall, food prep faucet	16.2
SIGN 6/24	19440200-010KF24A	Kitchen, E dividing wall, left food prep faucet	37.2
SIGN 6/24	19440200-011KF24A	Kitchen, E dividing wall, right food prep faucet	35.0

SIGN 6/24	19440200-012KF24A	Kitchen, E dividing wall, East wall mount sinks	21.0
OFF 6/24	19440200-054DW24A	Nurse room 167, drinking fountain	25.3
OFF 6/24	19440200-075DW24A	Classroom 207, drinking fountain	15.2
OFF 6/24	19440200-078DW24A	Classroom 221, drinking fountain	15.9
OFF 6/24	19440200-079CF24A	Classroom 221, classroom faucet	24.6

Table A.4 – Scappoose Middle School

	Sample Number	Sample Location	Lead Concentration (ppb)
SIGN 6/24	19440400-036BF24A	D4 restroom <u>(not first draw)</u>	21.6

Table A.5 – Scappoose High School

	Sample Number	Sample Location	Lead Concentration (ppb)
SIGN 6/24	19440500-005BF24A	Girls' locker room, staff bathroom	15.1
SIGN 6/24	19440500-007BF24A	F hall womens staff restroom	26.0
SIGN 6/24	19440500-043CF24A	C3 science, north side classroom faucet	17.8
SIGN 6/24	19440500-044CF24A	C3 science, northwest side classroom faucet	29.3
SIGN 6/24	19440500-045CF24A	C3 science, southwest side classroom faucet	31.9
SIGN 6/24	19440500-046SF24A	C3-C4 storage, staff faucet	50.8
SIGN 6/24	19440500-047CF24A	C2 science classroom, teachers island faucet	72.8
SIGN 6/24	19440500-048CF24A	C2 science classroom, north corner faucet	79.6
SIGN 6/24	19440500-049CF24A	C2 science classroom, northeast corner middle faucet	133
SIGN 6/24	19440500-050CF24A	C2 science classroom, northeast wall right faucet	135
SIGN 6/24	19440500-051CF24A	C2 science classroom, east wall	40.4
SIGN 6/24	19440500-052CF24A	C2 science classroom, south corner	22.8
SIGN 6/24	19440500-053CF24A	C2 science classroom, southwest wall middle	22.6
SIGN 6/24	19440500-054CF24A	C2 science classroom, west corner	15.0
SIGN 6/24	19440500-056CF24A	C1 science classroom, south wall	19.5
SIGN 6/24	19440500-059CF24A	C1 science classroom, northwest corner	17.9
SIGN 6/24	19440500-060CF24A	C1 science classroom, west wall	22.1
OFF 6/24	19440500-088CF24A	D2 south sink	17.3
SIGN 6/24	19440500-091SF24A	C2/C1 bubble room	21.4

Tables B.1 through B.5 below list all samples that were not considered first draws, as the fixtures were leaking at the time of sampling, or were not flushed the previous night, which came back below the EPA-mandated action level of 15 ppb. Because these fixtures were not sampled as a first draw, their results should be considered unreliable.

Tables B.1-B.5: Samples not to be Considered First Draw

Table B.1 – Grant Watts Elementary School

Sample Number	Sample Location	Lead Concentration (ppb)
19440100-031DW	C3, drinking fountain	ND
19440100-036BF	B2, classroom faucet	3.21

Table B.2 – Warren Elementary School

Sample Number	Sample Location	Lead Concentration (ppb)
N/A	N/A	N/A

Table B.3 – Otto Petersen Elementary School

Sample Number	Sample Location	Lead Concentration (ppb)
N/A	N/A	N/A

Table B.4 – Scappoose Middle School

Sample Number	Sample Location	Lead Concentration (ppb)
19440400-019CF	B9, northwest fixture	2.80

Table B.5 – Scappoose High School

Sample Number	Sample Location	Lead Concentration (ppb)
19440500-076KF	North handwash	13.2
19440500-081KF	South wall, west prep sink	6.50
19440500-087CF	D2 northeast sink	2.39

Tables C.1 through C.2 below list all observed fixtures that were not sampled due to being disabled at the time of sampling.

Tables C.1-C.2: Fixtures not Sampled

Table C.1 – Grant Watts Elementary School

Fixture Number	Sample Location
19440100-011BF	Girls' bathroom, C-hall, bathroom faucet, sampled left – right (02)
19440100-017DW	C8, drinking fountain
19440100-019DW	C7, drinking fountain
19440100-035DW	B2, drinking fountain
19440100-070DW	A4, drinking fountain
19440100-071CF	A4, classroom faucet
19440100-073DW	A2, drinking fountain

Table C.2 – Warren Elementary School

Fixture Number	Sample Location
19440300-009DW	Outside of Library, drinking fountain

Table C.3 – Otto Petersen Elementary School

Fixture Number	Sample Location
19440200-018DW	Outside of room 109, left drinking fountain
19440200-022DW	Classroom 102, drinking fountain
19440200-050DW	Outside of classroom 169, left drinking fountain
19440200-056DW	Classroom 165, drinking fountain

Table C.4 – Scappoose Middle School

Fixture Number	Sample Location
N/A	Girls' locker room drinking fountain attached to left bathroom faucet (19440400-026BF24A)

Table C.5 – Scappoose High School

Fixture Number	Sample Location
19440500-061CF	C1 science classroom, northeast corner
19440500-062CF	C1 science classroom, teachers island

It should be noted that quality control (QC) sample results are included at the end of the laboratory information. The QC samples are both laboratory blanks and spiked samples used internally by the laboratory to assess accuracy.

Please feel free to contact me at (503) 577-4038 or Nathan.Carlson@pbsusa.com with any questions or comments.

Sincerely,
PBS Engineering and Environmental Inc.

**Nathan
Carlson**

Digitally signed by Nathan
Carlson
Date: 2024.06.03 10:35:32
-07'00'

Nathan Carlson
Project Manager

Attachments: Grant Watts Laboratory Results (p. 7-34)
Grant Watts Drawing of Sample Locations (p. 35)
Warren Laboratory Results (p. 36-54)
Warren Drawing of Sample Locations (p. 55)
Otto Petersen Laboratory Results (p. 56-91)
Otto Petersen Drawing of Sample Locations (p. 92)
Scappoose Middle School Laboratory Results (p. 93-113)
Scappoose Middle School Drawing of Sample Locations (p. 114)
Scappoose High School Laboratory Results (p. 115-149)
Scappoose High School Drawing of Sample Locations (p.150)

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

Thursday, May 2, 2024

Taylor Cook

PBS Engineering and Environmental

4412 S Corbett Ave

Portland, OR 97239

RE: A4D1415 - Scappoose School District - Grant Watts ES/27742.000

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 A4D1415, which was received by the laboratory on 4/18/2024 at 12:25:00PM.

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

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

Cooler Receipt Information		
<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)		
Default Cooler	21.4	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: **Scappoose School District**Project Number: **Grant Watts ES/27742.000**Project Manager: **Taylor Cook****Report ID:****A4D1415 - 05 02 24 1142****ANALYTICAL REPORT FOR SAMPLES****SAMPLE INFORMATION**

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
19440100-001KF24A	A4D1415-01	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-002BF24A	A4D1415-02	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-003OT24A	A4D1415-03	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-004KF24A	A4D1415-04	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-005KF24A	A4D1415-05	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-006BF24A	A4D1415-06	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-007BF24A	A4D1415-07	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-008BF24A	A4D1415-08	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-009BF24A	A4D1415-09	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-010BF24A	A4D1415-10	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-012BF24A	A4D1415-11	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-013BF24A	A4D1415-12	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-014BF24A	A4D1415-13	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-015BF24A	A4D1415-14	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-016BF24A	A4D1415-15	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-018CF24A	A4D1415-16	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-020CF24A	A4D1415-17	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-021WB24A	A4D1415-18	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-022DW24A	A4D1415-19	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-023DW24A	A4D1415-20	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-024CF24A	A4D1415-21	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-025DW24A	A4D1415-22	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-026CF24A	A4D1415-23	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-027DW24A	A4D1415-24	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-028CF24A	A4D1415-25	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-029DW24A	A4D1415-26	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-030CF24A	A4D1415-27	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-031DW24A	A4D1415-28	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-032CF24A	A4D1415-29	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-033DW24A	A4D1415-30	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-034CF24A	A4D1415-31	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-036CF24A	A4D1415-32	Drinking Water	04/17/24 00:00	04/18/24 12:25

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Jason Woodcock, Project Manager

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ORELAP ID: OR100062**PBS Engineering and Environmental**4412 S Corbett Ave
Portland, OR 97239Project: **Scappoose School District**Project Number: **Grant Watts ES/27742.000**Project Manager: **Taylor Cook****Report ID:****A4D1415 - 05 02 24 1142****ANALYTICAL REPORT FOR SAMPLES****SAMPLE INFORMATION**

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
19440100-037DW24A	A4D1415-33	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-038CF24A	A4D1415-34	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-039DW24A	A4D1415-35	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-040CF24A	A4D1415-36	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-041DW24A	A4D1415-37	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-042CF24A	A4D1415-38	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-043WB24A	A4D1415-39	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-044DW24A	A4D1415-40	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-045DW24A	A4D1415-41	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-046CF24A	A4D1415-42	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-047DW24A	A4D1415-43	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-048CF24A	A4D1415-44	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-049CF24A	A4D1415-45	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-050BF24A	A4D1415-46	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-051BF24A	A4D1415-47	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-052BF24A	A4D1415-48	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-053SF24A	A4D1415-49	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-054BF24A	A4D1415-50	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-055WB24A	A4D1415-51	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-056DW24A	A4D1415-52	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-057DW24A	A4D1415-53	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-058CF24A	A4D1415-54	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-059DW24A	A4D1415-55	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-060CF24A	A4D1415-56	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-061DW24A	A4D1415-57	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-062CF24A	A4D1415-58	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-063BF24A	A4D1415-59	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-064DW24A	A4D1415-60	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-065CF24A	A4D1415-61	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-066BF24A	A4D1415-62	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-067DW24A	A4D1415-63	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-068CF24A	A4D1415-64	Drinking Water	04/17/24 00:00	04/18/24 12:25

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Jason Woodcock, Project Manager



ANALYTICAL REPORT

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503-718-2323
ORELAP ID: OR100062

PBS Engineering and Environmental

4412 S Corbett Ave
Portland, OR 97239

Project: Scappoose School District

Project Number: **Grant Watts ES/27742.000**

Project Manager: **Taylor Cook**

Report ID:

A4D1415 - 05 02 24 1142

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
19440100-069BF24A	A4D1415-65	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-072BF24A	A4D1415-66	Drinking Water	04/17/24 00:00	04/18/24 12:25
19440100-074CF24A	A4D1415-67	Drinking Water	04/17/24 00:00	04/18/24 12:25

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Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062**PBS Engineering and Environmental**
4412 S Corbett Ave
Portland, OR 97239Project: **Scappoose School District**
Project Number: **Grant Watts ES/27742.000**
Project Manager: **Taylor Cook****Report ID:**
A4D1415 - 05 02 24 1142**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
19440100-001KF24A (A4D1415-01)				Matrix: Drinking Water				
Batch: 24D0802								
Lead	1.35	---	0.200	ug/L	1	04/25/24 15:45	EPA 200.8	
19440100-002BF24A (A4D1415-02)				Matrix: Drinking Water				
Batch: 24D0802								
Lead	6.43	---	0.200	ug/L	1	04/25/24 15:50	EPA 200.8	
19440100-003OT24A (A4D1415-03)				Matrix: Drinking Water				
Batch: 24D0802								
Lead	13.7	---	0.200	ug/L	1	04/25/24 15:52	EPA 200.8	
19440100-004KF24A (A4D1415-04)				Matrix: Drinking Water				
Batch: 24D1017								
Lead	1.42	---	0.200	ug/L	1	04/26/24 18:17	EPA 200.8	DW-D
19440100-005KF24A (A4D1415-05)				Matrix: Drinking Water				
Batch: 24D0802								
Lead	3.38	---	0.200	ug/L	1	04/25/24 15:53	EPA 200.8	
19440100-006BF24A (A4D1415-06)				Matrix: Drinking Water				
Batch: 24D0802								
Lead	0.925	---	0.200	ug/L	1	04/25/24 15:55	EPA 200.8	
19440100-007BF24A (A4D1415-07)				Matrix: Drinking Water				
Batch: 24D0802								
Lead	0.272	---	0.200	ug/L	1	04/25/24 15:57	EPA 200.8	
19440100-008BF24A (A4D1415-08)				Matrix: Drinking Water				
Batch: 24D0814								
Lead	0.469	---	0.200	ug/L	1	04/29/24 17:11	EPA 200.8	
19440100-009BF24A (A4D1415-09)				Matrix: Drinking Water				
Batch: 24D0814								
Lead	0.967	---	0.200	ug/L	1	04/29/24 17:20	EPA 200.8	

Apex Laboratories

Jason Woodcock, Project Manager

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Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062**PBS Engineering and Environmental**
4412 S Corbett Ave
Portland, OR 97239Project: **Scappoose School District**
Project Number: **Grant Watts ES/27742.000**
Project Manager: **Taylor Cook****Report ID:**
A4D1415 - 05 02 24 1142**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
19440100-010BF24A (A4D1415-10)				Matrix: Drinking Water				
Batch: 24D0814								
Lead	0.342	---	0.200	ug/L	1	04/29/24 17:21	EPA 200.8	
19440100-012BF24A (A4D1415-11RE1)				Matrix: Drinking Water				
Batch: 24D0814								
Lead	4.34	---	0.200	ug/L	1	04/29/24 17:46	EPA 200.8	
19440100-013BF24A (A4D1415-12)				Matrix: Drinking Water				
Batch: 24D0814								
Lead	0.660	---	0.200	ug/L	1	04/29/24 17:25	EPA 200.8	
19440100-014BF24A (A4D1415-13)				Matrix: Drinking Water				
Batch: 24D0814								
Lead	0.247	---	0.200	ug/L	1	04/29/24 17:26	EPA 200.8	
19440100-015BF24A (A4D1415-14)				Matrix: Drinking Water				
Batch: 24D0814								
Lead	1.06	---	0.200	ug/L	1	04/29/24 17:28	EPA 200.8	
19440100-016BF24A (A4D1415-15)				Matrix: Drinking Water				
Batch: 24D0814								
Lead	0.368	---	0.200	ug/L	1	04/29/24 17:30	EPA 200.8	
19440100-018CF24A (A4D1415-16)				Matrix: Drinking Water				
Batch: 24D1017								
Lead	1.86	---	0.200	ug/L	1	04/26/24 18:23	EPA 200.8	DW-D
19440100-020CF24A (A4D1415-17)				Matrix: Drinking Water				
Batch: 24D1017								
Lead	2.21	---	0.200	ug/L	1	04/26/24 18:30	EPA 200.8	DW-D
19440100-021WB24A (A4D1415-18)				Matrix: Drinking Water				
Batch: 24D0814								
Lead	ND	---	0.200	ug/L	1	04/29/24 17:31	EPA 200.8	

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Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062**PBS Engineering and Environmental**
4412 S Corbett Ave
Portland, OR 97239Project: **Scappoose School District**
Project Number: **Grant Watts ES/27742.000**
Project Manager: **Taylor Cook****Report ID:**
A4D1415 - 05 02 24 1142**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
19440100-022DW24A (A4D1415-19)				Matrix: Drinking Water				
Batch: 24D0814								
Lead	ND	---	0.200	ug/L	1	04/29/24 17:33	EPA 200.8	
19440100-023DW24A (A4D1415-20)				Matrix: Drinking Water				
Batch: 24D0814								
Lead	0.807	---	0.200	ug/L	1	04/29/24 17:35	EPA 200.8	
19440100-024CF24A (A4D1415-21)				Matrix: Drinking Water				
Batch: 24D1017								
Lead	4.36	---	0.200	ug/L	1	04/26/24 18:37	EPA 200.8	DW-D
19440100-025DW24A (A4D1415-22)				Matrix: Drinking Water				
Batch: 24D0814								
Lead	2.06	---	0.200	ug/L	1	04/29/24 17:40	EPA 200.8	
19440100-026CF24A (A4D1415-23)				Matrix: Drinking Water				
Batch: 24D0814								
Lead	3.39	---	0.200	ug/L	1	04/29/24 17:47	EPA 200.8	
19440100-027DW24A (A4D1415-24)				Matrix: Drinking Water				
Batch: 24D1017								
Lead	5.31	---	0.200	ug/L	1	04/26/24 18:43	EPA 200.8	DW-D
19440100-028CF24A (A4D1415-25)				Matrix: Drinking Water				
Batch: 24D1017								
Lead	3.56	---	0.200	ug/L	1	04/26/24 18:50	EPA 200.8	DW-D
19440100-029DW24A (A4D1415-26)				Matrix: Drinking Water				
Batch: 24D0814								
Lead	0.704	---	0.200	ug/L	1	04/29/24 17:49	EPA 200.8	
19440100-030CF24A (A4D1415-27)				Matrix: Drinking Water				
Batch: 24D0814								
Lead	1.54	---	0.200	ug/L	1	04/29/24 17:51	EPA 200.8	

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Project Manager: **Taylor Cook****Report ID:**
A4D1415 - 05 02 24 1142**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
19440100-031DW24A (A4D1415-28)				Matrix: Drinking Water				
Batch: 24D0814								
Lead	ND	---	0.200	ug/L	1	04/29/24 17:52	EPA 200.8	
19440100-032CF24A (A4D1415-29)				Matrix: Drinking Water				
Batch: 24D0814								
Lead	3.96	---	0.200	ug/L	1	04/29/24 17:54	EPA 200.8	
19440100-033DW24A (A4D1415-30RE1)				Matrix: Drinking Water				
Batch: 24D0814								
Lead	0.930	---	0.200	ug/L	1	04/29/24 18:16	EPA 200.8	
19440100-034CF24A (A4D1415-31)				Matrix: Drinking Water				
Batch: 24D0814								
Lead	4.20	---	0.200	ug/L	1	04/29/24 17:57	EPA 200.8	
19440100-036CF24A (A4D1415-32)				Matrix: Drinking Water				
Batch: 24D1017								
Lead	3.21	---	0.200	ug/L	1	04/26/24 18:57	EPA 200.8	DW-D
19440100-037DW24A (A4D1415-33)				Matrix: Drinking Water				
Batch: 24D0814								
Lead	2.28	---	0.200	ug/L	1	04/29/24 17:59	EPA 200.8	
19440100-038CF24A (A4D1415-34)				Matrix: Drinking Water				
Batch: 24D0832								
Lead	2.45	---	0.200	ug/L	1	04/29/24 18:09	EPA 200.8	
19440100-039DW24A (A4D1415-35)				Matrix: Drinking Water				
Batch: 24D0832								
Lead	9.07	---	0.200	ug/L	1	04/29/24 18:15	EPA 200.8	
19440100-040CF24A (A4D1415-36)				Matrix: Drinking Water				
Batch: 24D0832								
Lead	9.65	---	0.200	ug/L	1	04/29/24 18:18	EPA 200.8	

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A4D1415 - 05 02 24 1142**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
19440100-041DW24A (A4D1415-37)				Matrix: Drinking Water				
Batch: 24D0832								
Lead	4.51	---	0.200	ug/L	1	04/29/24 18:20	EPA 200.8	
19440100-042CF24A (A4D1415-38)				Matrix: Drinking Water				
Batch: 24D0832								
Lead	41.9	---	0.200	ug/L	1	04/29/24 18:25	EPA 200.8	
19440100-043WB24A (A4D1415-39)				Matrix: Drinking Water				
Batch: 24D0832								
Lead	ND	---	0.200	ug/L	1	04/29/24 18:27	EPA 200.8	
19440100-044DW24A (A4D1415-40)				Matrix: Drinking Water				
Batch: 24D0832								
Lead	ND	---	0.200	ug/L	1	04/29/24 18:28	EPA 200.8	
19440100-045DW24A (A4D1415-41)				Matrix: Drinking Water				
Batch: 24D1017								
Lead	3.02	---	0.200	ug/L	1	04/26/24 19:17	EPA 200.8	DW-D
19440100-046CF24A (A4D1415-42)				Matrix: Drinking Water				
Batch: 24D1017								
Lead	13.3	---	0.200	ug/L	1	04/26/24 19:23	EPA 200.8	DW-D
19440100-047DW24A (A4D1415-43)				Matrix: Drinking Water				
Batch: 24D0832								
Lead	2.03	---	0.200	ug/L	1	04/29/24 18:30	EPA 200.8	
19440100-048CF24A (A4D1415-44)				Matrix: Drinking Water				
Batch: 24D1017								
Lead	19.8	---	0.200	ug/L	1	04/26/24 19:30	EPA 200.8	DW-D
19440100-049CF24A (A4D1415-45)				Matrix: Drinking Water				
Batch: 24D1017								
Lead	3.31	---	0.200	ug/L	1	04/26/24 19:37	EPA 200.8	DW-D

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A4D1415 - 05 02 24 1142**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
19440100-050BF24A (A4D1415-46)				Matrix: Drinking Water				
Batch: 24D0832								
Lead	2.27	---	0.200	ug/L	1	04/29/24 18:32	EPA 200.8	
19440100-051BF24A (A4D1415-47)				Matrix: Drinking Water				
Batch: 24D0832								
Lead	3.05	---	0.200	ug/L	1	04/29/24 18:33	EPA 200.8	
19440100-052BF24A (A4D1415-48)				Matrix: Drinking Water				
Batch: 24D0832								
Lead	0.933	---	0.200	ug/L	1	04/29/24 18:35	EPA 200.8	
19440100-053SF24A (A4D1415-49)				Matrix: Drinking Water				
Batch: 24D0832								
Lead	1.54	---	0.200	ug/L	1	04/29/24 18:37	EPA 200.8	
19440100-054BF24A (A4D1415-50)				Matrix: Drinking Water				
Batch: 24D0832								
Lead	0.366	---	0.200	ug/L	1	04/29/24 18:39	EPA 200.8	
19440100-055WB24A (A4D1415-51)				Matrix: Drinking Water				
Batch: 24D0832								
Lead	ND	---	0.200	ug/L	1	04/29/24 18:40	EPA 200.8	
19440100-056DW24A (A4D1415-52)				Matrix: Drinking Water				
Batch: 24D0832								
Lead	ND	---	0.200	ug/L	1	04/29/24 18:45	EPA 200.8	
19440100-057DW24A (A4D1415-53)				Matrix: Drinking Water				
Batch: 24D0832								
Lead	2.97	---	0.200	ug/L	1	04/29/24 18:47	EPA 200.8	
19440100-058CF24A (A4D1415-54)				Matrix: Drinking Water				
Batch: 24D0832								
Lead	10.9	---	0.200	ug/L	1	04/29/24 18:49	EPA 200.8	

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A4D1415 - 05 02 24 1142**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
19440100-059DW24A (A4D1415-55)				Matrix: Drinking Water				
Batch: 24D0832								
Lead	25.1	---	0.200	ug/L	1	04/29/24 18:51	EPA 200.8	
19440100-060CF24A (A4D1415-56)				Matrix: Drinking Water				
Batch: 24D0832								
Lead	4.06	---	0.200	ug/L	1	04/29/24 19:05	EPA 200.8	
19440100-061DW24A (A4D1415-57)				Matrix: Drinking Water				
Batch: 24D0958								
Lead	1.48	---	0.200	ug/L	1	04/30/24 13:54	EPA 200.8	
19440100-062CF24A (A4D1415-58)				Matrix: Drinking Water				
Batch: 24D1104								
Lead	1.70	---	0.200	ug/L	1	04/29/24 20:58	EPA 200.8	DW-D
19440100-063BF24A (A4D1415-59)				Matrix: Drinking Water				
Batch: 24D0958								
Lead	0.701	---	0.200	ug/L	1	04/30/24 14:05	EPA 200.8	
19440100-064DW24A (A4D1415-60)				Matrix: Drinking Water				
Batch: 24D1017								
Lead	4.58	---	0.200	ug/L	1	04/26/24 19:43	EPA 200.8	DW-D
19440100-065CF24A (A4D1415-61)				Matrix: Drinking Water				
Batch: 24D1104								
Lead	4.31	---	0.200	ug/L	1	04/29/24 21:11	EPA 200.8	DW-D
19440100-066BF24A (A4D1415-62)				Matrix: Drinking Water				
Batch: 24D0958								
Lead	2.11	---	0.200	ug/L	1	04/30/24 14:09	EPA 200.8	
19440100-067DW24A (A4D1415-63RE1)				Matrix: Drinking Water				
Batch: 24D0958								
Lead	11.7	---	0.200	ug/L	1	04/30/24 14:26	EPA 200.8	

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Project Number: **Grant Watts ES/27742.000**
Project Manager: **Taylor Cook****Report ID:**
A4D1415 - 05 02 24 1142**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
19440100-068CF24A (A4D1415-64)				Matrix: Drinking Water				
Batch: 24D1104								
Lead	10.3	---	0.200	ug/L	1	04/29/24 21:24	EPA 200.8	DW-D
19440100-069BF24A (A4D1415-65)				Matrix: Drinking Water				
Batch: 24D1104								
Lead	1.09	---	0.200	ug/L	1	04/29/24 21:38	EPA 200.8	DW-D
19440100-072BF24A (A4D1415-66)				Matrix: Drinking Water				
Batch: 24D1104								
Lead	0.773	---	0.200	ug/L	1	04/29/24 21:44	EPA 200.8	DW-D
19440100-074CF24A (A4D1415-67)				Matrix: Drinking Water				
Batch: 24D1104								
Lead	8.83	---	0.200	ug/L	1	04/29/24 22:04	EPA 200.8	DW-D

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ORELAP ID: OR100062**PBS Engineering and Environmental**4412 S Corbett Ave
Portland, OR 97239Project: **Scappoose School District**Project Number: **Grant Watts ES/27742.000**Project Manager: **Taylor Cook****Report ID:****A4D1415 - 05 02 24 1142****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 24D0802 - EPA 200.8 Direct Analysis							Drinking Water					
Blank (24D0802-BLK1)		Prepared: 04/22/24 12:17 Analyzed: 04/25/24 15:14										
EPA 200.8												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (24D0802-BS1)		Prepared: 04/22/24 12:17 Analyzed: 04/25/24 15:16										
EPA 200.8												
Lead	15.2	---	0.201	ug/L	1	15.0	---	101	85 - 115%	---	---	
No Client related Batch QC samples analyzed for this batch. See notes page for more information.												
Batch 24D0814 - EPA 200.8 Direct Analysis							Drinking Water					
Blank (24D0814-BLK1)		Prepared: 04/22/24 14:48 Analyzed: 04/29/24 17:08										
EPA 200.8												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (24D0814-BS1)		Prepared: 04/22/24 14:48 Analyzed: 04/29/24 17:09										
EPA 200.8												
Lead	14.9	---	0.201	ug/L	1	15.0	---	100	85 - 115%	---	---	
Duplicate (24D0814-DUP1)		Prepared: 04/22/24 14:48 Analyzed: 04/29/24 17:13										
QC Source Sample: 19440100-008BF24A (A4D1415-08)												
EPA 200.8												
Lead	0.462	---	0.200	ug/L	1	---	0.469	---	---	1	20%	
Matrix Spike (24D0814-MS1)		Prepared: 04/22/24 14:48 Analyzed: 04/29/24 17:14										
QC Source Sample: 19440100-008BF24A (A4D1415-08)												
EPA 200.8												
Lead	15.2	---	0.201	ug/L	1	15.0	0.469	98	70 - 130%	---	---	
Matrix Spike (24D0814-MS2)		Prepared: 04/22/24 14:48 Analyzed: 04/29/24 18:04										
QC Source Sample: 19440100-037DW24A (A4D1415-33)												
EPA 200.8												
Lead	16.7	---	0.201	ug/L	1	15.0	2.28	96	70 - 130%	---	---	

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4412 S Corbett Ave

Portland, OR 97239

Project: **Scappoose School District**Project Number: **Grant Watts ES/27742.000**Project Manager: **Taylor Cook****Report ID:****A4D1415 - 05 02 24 1142**

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 24D0832 - EPA 200.8 Direct Analysis							Drinking Water					
Blank (24D0832-BLK1)		Prepared: 04/23/24 08:05 Analyzed: 04/29/24 18:06										
EPA 200.8												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (24D0832-BS1)		Prepared: 04/23/24 08:05 Analyzed: 04/29/24 18:08										
EPA 200.8												
Lead	14.8	---	0.201	ug/L	1	15.0	---	99	85 - 115%	---	---	
Duplicate (24D0832-DUP1)		Prepared: 04/23/24 08:05 Analyzed: 04/29/24 18:11										
QC Source Sample: 19440100-038CF24A (A4D1415-34)												
EPA 200.8												
Lead	2.45	---	0.200	ug/L	1	---	2.45	---	---	0.03	20%	
Matrix Spike (24D0832-MS1)		Prepared: 04/23/24 08:05 Analyzed: 04/29/24 18:13										
QC Source Sample: 19440100-038CF24A (A4D1415-34)												
EPA 200.8												
Lead	16.9	---	0.201	ug/L	1	15.0	2.45	96	70 - 130%	---	---	
Matrix Spike (24D0832-MS2)		Prepared: 04/23/24 08:05 Analyzed: 04/29/24 19:06										
QC Source Sample: 19440100-060CF24A (A4D1415-56)												
EPA 200.8												
Lead	18.4	---	0.201	ug/L	1	15.0	4.06	96	70 - 130%	---	---	

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Project: **Scappoose School District**Project Number: **Grant Watts ES/27742.000**Project Manager: **Taylor Cook****Report ID:****A4D1415 - 05 02 24 1142****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 24D0958 - EPA 200.8 Direct Analysis							Drinking Water					
Blank (24D0958-BLK2)		Prepared: 04/25/24 10:51			Analyzed: 04/30/24 14:01							
<u>EPA 200.8</u>												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	Q-16
LCS (24D0958-BS1)		Prepared: 04/25/24 10:51			Analyzed: 04/30/24 13:53							
<u>EPA 200.8</u>												
Lead	14.3	---	0.201	ug/L	1	15.0	---	95	85 - 115%	---	---	
Duplicate (24D0958-DUP1)		Prepared: 04/25/24 10:51			Analyzed: 04/30/24 13:59							
<u>QC Source Sample: 19440100-061DW24A (A4D1415-57)</u>												
<u>EPA 200.8</u>												
Lead	1.48	---	0.200	ug/L	1	---	1.48	---	---	0.3	20%	
Matrix Spike (24D0958-MS1)		Prepared: 04/25/24 10:51			Analyzed: 04/30/24 14:03							
<u>QC Source Sample: 19440100-061DW24A (A4D1415-57)</u>												
<u>EPA 200.8</u>												
Lead	15.1	---	0.201	ug/L	1	15.0	1.48	91	70 - 130%	---	---	

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Project Manager: **Taylor Cook**

Report ID:

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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 24D1017 - EPA 3015A							Drinking Water					
Blank (24D1017-BLK1)		Prepared: 04/26/24 10:20			Analyzed: 04/26/24 16:50							
EPA 200.8												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (24D1017-BS1)		Prepared: 04/26/24 10:20			Analyzed: 04/26/24 16:56							
EPA 200.8												
Lead	17.4	---	0.200	ug/L	1	16.7	---	105	85 - 115%	---	---	

No Client related Batch QC samples analyzed for this batch. See notes page for more information.

Apex Laboratories

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 97239

Project: **Scappoose School District**
Project Number: **Grant Watts ES/27742.000**
Project Manager: **Taylor Cook**

Report ID:
A4D1415 - 05 02 24 1142

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 24D1104 - EPA 3015A							Drinking Water					
Blank (24D1104-BLK1)		Prepared: 04/29/24 16:24			Analyzed: 04/29/24 20:44							
<u>EPA 200.8</u>												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (24D1104-BS1)		Prepared: 04/29/24 16:24			Analyzed: 04/29/24 20:51							
<u>EPA 200.8</u>												
Lead	15.7	---	0.200	ug/L	1	16.7	---	94	85 - 115%	---	---	
Duplicate (24D1104-DUP1)		Prepared: 04/29/24 16:24			Analyzed: 04/29/24 21:04							
<u>QC Source Sample: 19440100-062CF24A (A4D1415-58)</u>												
<u>EPA 200.8</u>												
Lead	1.69	---	0.200	ug/L	1	---	1.70	---	---	0.8	20%	DW-D
Matrix Spike (24D1104-MS1)		Prepared: 04/29/24 16:24			Analyzed: 04/29/24 21:18							
<u>QC Source Sample: 19440100-065CF24A (A4D1415-61)</u>												
<u>EPA 200.8</u>												
Lead	19.9	---	0.200	ug/L	1	16.7	4.31	94	70 - 130%	---	---	DW-D
Matrix Spike (24D1104-MS2)		Prepared: 04/29/24 16:24			Analyzed: 04/29/24 21:31							
<u>QC Source Sample: 19440100-068CF24A (A4D1415-64)</u>												
<u>EPA 200.8</u>												
Lead	25.9	---	0.200	ug/L	1	16.7	10.3	94	70 - 130%	---	---	DW-D

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PBS Engineering and Environmental4412 S Corbett Ave
Portland, OR 97239Project: **Scappoose School District**Project Number: **Grant Watts ES/27742.000**Project Manager: **Taylor Cook****Report ID:****A4D1415 - 05 02 24 1142****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: 24D0802</u>							
A4D1415-01	Drinking Water	EPA 200.8	04/17/24 00:00	04/22/24 12:17	10mL/10mL	10mL/10mL	1.00
A4D1415-02	Drinking Water	EPA 200.8	04/17/24 00:00	04/22/24 12:17	10mL/10mL	10mL/10mL	1.00
A4D1415-03	Drinking Water	EPA 200.8	04/17/24 00:00	04/22/24 12:17	10mL/10mL	10mL/10mL	1.00
A4D1415-05	Drinking Water	EPA 200.8	04/17/24 00:00	04/22/24 12:17	10mL/10mL	10mL/10mL	1.00
A4D1415-06	Drinking Water	EPA 200.8	04/17/24 00:00	04/22/24 12:17	10mL/10mL	10mL/10mL	1.00
A4D1415-07	Drinking Water	EPA 200.8	04/17/24 00:00	04/22/24 12:17	10mL/10mL	10mL/10mL	1.00
<u>Batch: 24D0814</u>							
A4D1415-08	Drinking Water	EPA 200.8	04/17/24 00:00	04/22/24 14:48	10mL/10mL	10mL/10mL	1.00
A4D1415-09	Drinking Water	EPA 200.8	04/17/24 00:00	04/22/24 14:48	10mL/10mL	10mL/10mL	1.00
A4D1415-10	Drinking Water	EPA 200.8	04/17/24 00:00	04/22/24 14:48	10mL/10mL	10mL/10mL	1.00
A4D1415-11RE1	Drinking Water	EPA 200.8	04/17/24 00:00	04/22/24 14:48	10mL/10mL	10mL/10mL	1.00
A4D1415-12	Drinking Water	EPA 200.8	04/17/24 00:00	04/22/24 14:48	10mL/10mL	10mL/10mL	1.00
A4D1415-13	Drinking Water	EPA 200.8	04/17/24 00:00	04/22/24 14:48	10mL/10mL	10mL/10mL	1.00
A4D1415-14	Drinking Water	EPA 200.8	04/17/24 00:00	04/22/24 14:48	10mL/10mL	10mL/10mL	1.00
A4D1415-15	Drinking Water	EPA 200.8	04/17/24 00:00	04/22/24 14:48	10mL/10mL	10mL/10mL	1.00
A4D1415-18	Drinking Water	EPA 200.8	04/17/24 00:00	04/22/24 14:48	10mL/10mL	10mL/10mL	1.00
A4D1415-19	Drinking Water	EPA 200.8	04/17/24 00:00	04/22/24 14:48	10mL/10mL	10mL/10mL	1.00
A4D1415-20	Drinking Water	EPA 200.8	04/17/24 00:00	04/22/24 14:48	10mL/10mL	10mL/10mL	1.00
A4D1415-22	Drinking Water	EPA 200.8	04/17/24 00:00	04/22/24 14:48	10mL/10mL	10mL/10mL	1.00
A4D1415-23	Drinking Water	EPA 200.8	04/17/24 00:00	04/22/24 14:48	10mL/10mL	10mL/10mL	1.00
A4D1415-26	Drinking Water	EPA 200.8	04/17/24 00:00	04/22/24 14:48	10mL/10mL	10mL/10mL	1.00
A4D1415-27	Drinking Water	EPA 200.8	04/17/24 00:00	04/22/24 14:48	10mL/10mL	10mL/10mL	1.00
A4D1415-28	Drinking Water	EPA 200.8	04/17/24 00:00	04/22/24 14:48	10mL/10mL	10mL/10mL	1.00
A4D1415-29	Drinking Water	EPA 200.8	04/17/24 00:00	04/22/24 14:48	10mL/10mL	10mL/10mL	1.00
A4D1415-30RE1	Drinking Water	EPA 200.8	04/17/24 00:00	04/22/24 14:48	10mL/10mL	10mL/10mL	1.00
A4D1415-31	Drinking Water	EPA 200.8	04/17/24 00:00	04/22/24 14:48	10mL/10mL	10mL/10mL	1.00
A4D1415-33	Drinking Water	EPA 200.8	04/17/24 00:00	04/22/24 14:48	10mL/10mL	10mL/10mL	1.00
<u>Batch: 24D0832</u>							
A4D1415-34	Drinking Water	EPA 200.8	04/17/24 00:00	04/23/24 08:05	10mL/10mL	10mL/10mL	1.00
A4D1415-35	Drinking Water	EPA 200.8	04/17/24 00:00	04/23/24 08:05	10mL/10mL	10mL/10mL	1.00
A4D1415-36	Drinking Water	EPA 200.8	04/17/24 00:00	04/23/24 08:05	10mL/10mL	10mL/10mL	1.00
A4D1415-37	Drinking Water	EPA 200.8	04/17/24 00:00	04/23/24 08:05	10mL/10mL	10mL/10mL	1.00
A4D1415-38	Drinking Water	EPA 200.8	04/17/24 00:00	04/23/24 08:05	10mL/10mL	10mL/10mL	1.00
A4D1415-39	Drinking Water	EPA 200.8	04/17/24 00:00	04/23/24 08:05	10mL/10mL	10mL/10mL	1.00
A4D1415-40	Drinking Water	EPA 200.8	04/17/24 00:00	04/23/24 08:05	10mL/10mL	10mL/10mL	1.00

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Jason Woodcock, Project Manager

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Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062**PBS Engineering and Environmental**4412 S Corbett Ave
Portland, OR 97239Project: **Scappoose School District**Project Number: **Grant Watts ES/27742.000**Project Manager: **Taylor Cook****Report ID:****A4D1415 - 05 02 24 1142****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
A4D1415-43	Drinking Water	EPA 200.8	04/17/24 00:00	04/23/24 08:05	10mL/10mL	10mL/10mL	1.00
A4D1415-46	Drinking Water	EPA 200.8	04/17/24 00:00	04/23/24 08:05	10mL/10mL	10mL/10mL	1.00
A4D1415-47	Drinking Water	EPA 200.8	04/17/24 00:00	04/23/24 08:05	10mL/10mL	10mL/10mL	1.00
A4D1415-48	Drinking Water	EPA 200.8	04/17/24 00:00	04/23/24 08:05	10mL/10mL	10mL/10mL	1.00
A4D1415-49	Drinking Water	EPA 200.8	04/17/24 00:00	04/23/24 08:05	10mL/10mL	10mL/10mL	1.00
A4D1415-50	Drinking Water	EPA 200.8	04/17/24 00:00	04/23/24 08:05	10mL/10mL	10mL/10mL	1.00
A4D1415-51	Drinking Water	EPA 200.8	04/17/24 00:00	04/23/24 08:05	10mL/10mL	10mL/10mL	1.00
A4D1415-52	Drinking Water	EPA 200.8	04/17/24 00:00	04/23/24 08:05	10mL/10mL	10mL/10mL	1.00
A4D1415-53	Drinking Water	EPA 200.8	04/17/24 00:00	04/23/24 08:05	10mL/10mL	10mL/10mL	1.00
A4D1415-54	Drinking Water	EPA 200.8	04/17/24 00:00	04/23/24 08:05	10mL/10mL	10mL/10mL	1.00
A4D1415-55	Drinking Water	EPA 200.8	04/17/24 00:00	04/23/24 08:05	10mL/10mL	10mL/10mL	1.00
A4D1415-56	Drinking Water	EPA 200.8	04/17/24 00:00	04/23/24 08:05	10mL/10mL	10mL/10mL	1.00

Batch: 24D0958

A4D1415-57	Drinking Water	EPA 200.8	04/17/24 00:00	04/25/24 10:51	10mL/10mL	10mL/10mL	1.00
A4D1415-59	Drinking Water	EPA 200.8	04/17/24 00:00	04/25/24 10:51	10mL/10mL	10mL/10mL	1.00
A4D1415-62	Drinking Water	EPA 200.8	04/17/24 00:00	04/25/24 10:51	10mL/10mL	10mL/10mL	1.00
A4D1415-63RE1	Drinking Water	EPA 200.8	04/17/24 00:00	04/25/24 10:51	10mL/10mL	10mL/10mL	1.00

Prep: EPA 3015A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A4D1415-04	Drinking Water	EPA 200.8	04/17/24 00:00	04/26/24 10:20	45mL/50mL	45mL/50mL	1.00
A4D1415-16	Drinking Water	EPA 200.8	04/17/24 00:00	04/26/24 10:20	45mL/50mL	45mL/50mL	1.00
A4D1415-17	Drinking Water	EPA 200.8	04/17/24 00:00	04/26/24 10:20	45mL/50mL	45mL/50mL	1.00
A4D1415-21	Drinking Water	EPA 200.8	04/17/24 00:00	04/26/24 10:20	45mL/50mL	45mL/50mL	1.00
A4D1415-24	Drinking Water	EPA 200.8	04/17/24 00:00	04/26/24 10:20	45mL/50mL	45mL/50mL	1.00
A4D1415-25	Drinking Water	EPA 200.8	04/17/24 00:00	04/26/24 10:20	45mL/50mL	45mL/50mL	1.00
A4D1415-32	Drinking Water	EPA 200.8	04/17/24 00:00	04/26/24 10:20	45mL/50mL	45mL/50mL	1.00
A4D1415-41	Drinking Water	EPA 200.8	04/17/24 00:00	04/26/24 10:20	45mL/50mL	45mL/50mL	1.00
A4D1415-42	Drinking Water	EPA 200.8	04/17/24 00:00	04/26/24 10:20	45mL/50mL	45mL/50mL	1.00
A4D1415-44	Drinking Water	EPA 200.8	04/17/24 00:00	04/26/24 10:20	45mL/50mL	45mL/50mL	1.00
A4D1415-45	Drinking Water	EPA 200.8	04/17/24 00:00	04/26/24 10:20	45mL/50mL	45mL/50mL	1.00
A4D1415-60	Drinking Water	EPA 200.8	04/17/24 00:00	04/26/24 10:20	45mL/50mL	45mL/50mL	1.00

Batch: 24D1104

A4D1415-58	Drinking Water	EPA 200.8	04/17/24 00:00	04/29/24 16:24	45mL/50mL	45mL/50mL	1.00
A4D1415-61	Drinking Water	EPA 200.8	04/17/24 00:00	04/29/24 16:24	45mL/50mL	45mL/50mL	1.00

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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: **Scappoose School District**Project Number: **Grant Watts ES/27742.000**Project Manager: **Taylor Cook****Report ID:****A4D1415 - 05 02 24 1142****SAMPLE PREPARATION INFORMATION****Total Metals in Drinking Water by EPA 200.8 (ICPMS)****Prep: EPA 3015A**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A4D1415-64	Drinking Water	EPA 200.8	04/17/24 00:00	04/29/24 16:24	45mL/50mL	45mL/50mL	1.00
A4D1415-65	Drinking Water	EPA 200.8	04/17/24 00:00	04/29/24 16:24	45mL/50mL	45mL/50mL	1.00
A4D1415-66	Drinking Water	EPA 200.8	04/17/24 00:00	04/29/24 16:24	45mL/50mL	45mL/50mL	1.00
A4D1415-67	Drinking Water	EPA 200.8	04/17/24 00:00	04/29/24 16:24	45mL/50mL	45mL/50mL	1.00

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Jason Woodcock, Project Manager

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ANALYTICAL REPORT

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Project: Scappoose School District

Project Number: **Grant Watts ES/27742.000**

Project Manager: **Taylor Cook**

Report ID:

A4D1415 - 05 02 24 1142

QUALIFIER DEFINITIONS

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

Apex Laboratories

- DW-D** Turbidity greater than 1 NTU. Sample was digested per EPA Method 200.8.
- Q-16** Reanalysis of an original Batch QC sample.

Apex Laboratories

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REPORTING NOTES AND CONVENTIONS:

Abbreviations:

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

Detection Limits: Limit of Detection (LOD)

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

Reporting Limits: Limit of Quantitation (LOQ)

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

Reporting Conventions:

Basis: Results for soil samples are generally reported on a 100% dry weight basis.
The Result Basis is listed following the units as "dry", "wet", or " " (blank) designation.

"dry" Sample results and Reporting Limits are reported on a dry weight basis. (i.e. "ug/kg dry")
See Percent Solids section for details of dry weight analysis.

"wet" Sample results and Reporting Limits for this analysis are normally dry weight corrected, but have not been modified in this case.

" " Results without 'wet' or 'dry' designation are not normally dry weight corrected. These results are considered 'As Received'.

QC Source:

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

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

Miscellaneous Notes:

" --- " QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.

" *** " Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

Blanks:

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

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Project Number: **Grant Watts ES/27742.000**

Project Manager: **Taylor Cook**

Report ID:

A4D1415 - 05 02 24 1142

REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks (Cont.):

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

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

Preparation Notes:

Mixed Matrix Samples:

Water Samples:

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

Soil and Sediment Samples:

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

Sampling and Preservation Notes:

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

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

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

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

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Project: **Scappoose School District**

Project Number: **Grant Watts ES/27742.000**

Project Manager: **Taylor Cook**

Report ID:

A4D1415 - 05 02 24 1142

LABORATORY ACCREDITATION INFORMATION

ORELAP Certification ID: OR100062 (Primary Accreditation)

EPA ID: OR01039

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

Apex Laboratories

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

Secondary Accreditations

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

Subcontract Laboratory Accreditations

Subcontracted data falls outside of Apex Laboratories' Scope of Accreditation.

Please see the Subcontract Laboratory report for full details, or contact your Project Manager for more information.

Field Testing Parameters

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

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**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: **Scappoose School District**Project Number: **Grant Watts ES/27742.000**Project Manager: **Taylor Cook****Report ID:****A4D1415 - 05 02 24 1142****Lead in Drinking Water Testing Program**Date Collected: 04/17/2022PBS Project: ~~27742.000~~School Name: Grant Watts Elementary SchoolBuilding: Main BuildingBuilding Number: 19440100Analysis Requested: Lead (Pb) in Drinking WaterEmail Results To: taylor.cook@pbsusa.com; nathan.carlson@pbsusa.comTurnaround Time: 10-day

	Fixture Number	Sample Number	Room / Location
1	001	19440100-001KF24A	Kitchen, center island single prep sink, kitchen faucet
2	002	19440100-002BF24A	Kitchen staff bathroom, bathroom faucet
3	003	19440100-003OT24A	Kitchen, sprayer by dishwasher
4	004	19440100-004KF24A	Kitchen, double prep sink, left kitchen faucet
5	005	19440100-005KF24A	Kitchen, double prep sink, right kitchen faucet
6	006	19440100-006BF24A	Unisex bathroom in B-hall by gym and across from kitchen, bathroom faucet
7	007	19440100-007BF24A	Girls bathroom, B-hall, bathroom faucet
8	008	19440100-008BF24A	Boys bathroom, B-hall, bathroom faucet
9	009	19440100-009BF24A	Girls bathroom, C-hall, bathroom faucet, sampled left – right (01)
10	010	19440100-010BF24A	Girls bathroom, C-hall, bathroom faucet, sampled left – right (02)
11	011		Girls bathroom, C-hall, bathroom faucet, sampled left – right (02) *Faucet not working, NO SAMPLE SUBMITTED
12	012	19440100-012BF24A	Girls bathroom, C-hall, bathroom faucet, sampled left – right (03)
13	013	19440100-013BF24A	Girls bathroom, C-hall, bathroom faucet, sampled left – right (04)
14	014	19440100-014BF24A	Boys bathroom, C-hall, bathroom faucet, sampled left – right (01)
15	015	19440100-015BF24A	Boys bathroom, C-hall, bathroom faucet, sampled left – right (02)
16	016	19440100-016BF24A	Boys bathroom, C-hall, bathroom faucet, sampled left – right (03)
17	017		C8, drinking fountain *Faucet not working, NO SAMPLE SUBMITTED
18	018	19440100-018CF24A	C8, classroom faucet
19	019		C7, drinking fountain *Faucet not working, NO SAMPLE SUBMITTED
20	020	19440100-020CF24A	C7, classroom faucet

1 of 3

Apex Laboratories

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 97239

Project: **Scappoose School District**

Project Number: **Grant Watts ES/27742.000**

Project Manager: **Taylor Cook**

Report ID:

A4D1415 - 05 02 24 1142

Lead in Drinking Water Testing Program

A4D1415

Scappoose School District

Date Collected: **04/17/2024**

School Name: **Grant Watts Elementary School**

	Fixture Number	Sample Number	Room / Location
21	021	19440100-021WB24A	Drinking fountain outside boys restroom on C hall, water bottle filler
22	022	19440100-022DW24A	Drinking fountain outside boys restroom on C hall, drinking fountain
23	023	19440100-023DW24A	C2, drinking fountain
24	024	19440100-024CF24A	C2, classroom faucet
25	025	19440100-025DW24A	C4, drinking fountain
26	026	19440100-026CF24A	C4, classroom faucet
27	027	19440100-027DW24A	C8, drinking fountain
28	028	19440100-028CF24A	C8, classroom faucet
29	029	19440100-029DW24A	C5, drinking fountain
30	030	19440100-030CF24A	C5, classroom faucet
31	031	19440100-031DW24A	C3, drinking fountain *faucet leaking prior to sampling
32	032	19440100-032CF24A	C3, classroom faucet
33	033	19440100-033DW24A	C1, drinking fountain
34	034	19440100-034CF24A	C1, classroom faucet
35	035		B2, drinking fountain *Faucet not working, NO SAMPLE SUBMITTED
36	036	19440100-036CF24A	B2, classroom faucet *faucet leaking prior to sampling
37	037	19440100-037DW24A	B4, drinking fountain
38	038	19440100-038CF24A	B4, classroom faucet
39	039	19440100-039DW24A	B6, drinking fountain
40	040	19440100-040CF24A	B6, classroom faucet
41	041	19440100-041DW24A	B5, drinking fountain
42	042	19440100-042CF24A	B5, classroom faucet
43	043	19440100-043WB24A	Drinking fountain between B5 and B3, water bottle filler
44	044	19440100-044DW24A	Drinking fountain between B5 and B3, drinking fountain
45	045	19440100-045DW24A	B3, drinking fountain
46	046	19440100-046CF24A	B3, classroom faucet
47	047	19440100-047DW24A	B1, drinking fountain
48	048	19440100-048CF24A	B1, classroom faucet *faucet leaking prior to sampling
49	049	19440100-049CF24A	Library, classroom faucet
50	050	19440100-050BF24A	Health room bathroom, bathroom faucet



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Jason Woodcock, Project Manager

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Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

PBS Engineering and Environmental

4412 S Corbett Ave

Portland, OR 97239

Project: Scappoose School District

Project Number: Grant Watts ES/27742.000

Project Manager: Taylor Cook

Report ID:

A4D1415 - 05 02 24 1142

Lead in Drinking Water Testing Program

Scappoose School District

Date Collected: 04/17/2024

School Name: Grant Watts Elementary School

	Fixture Number	Sample Number	Room / Location
51	051	19440100-051BF24A	Staff bathroom by health room, bathroom faucet
52	052	19440100-052BF24A	Staff bathroom by work room, bathroom faucet
53	053	19440100-053SF24A	Staff workroom kitchenette, staff faucet
54	054	19440100-054BF24A	Bathroom between girls and boys bathroom on A hall, bathroom faucet
55	055	19440100-055WB24A	Drinking fountain between A1 and A3, water bottle filler
56	056	19440100-056DW24A	Drinking fountain between A1 and A3, drinking fountain
57	057	19440100-057DW24A	A1, drinking fountain
58	058	19440100-058CF24A	A1, classroom faucet
59	059	19440100-059DW24A	A3, drinking fountain
60	060	19440100-060CF24A	A3, classroom faucet
61	061	19440100-061DW24A	A5, drinking fountain
62	062	19440100-062CF24A	A5, classroom faucet
63	063	19440100-063BF24A	A5, bathroom faucet
64	064	19440100-064DW24A	A7, drinking fountain
65	065	19440100-065CF24A	A7, classroom faucet
66	066	19440100-066BF24A	A7, bathroom faucet
67	067	19440100-067DW24A	A6, drinking fountain
68	068	19440100-068CF24A	A6, classroom faucet
69	069	19440100-069BF24A	A6, bathroom faucet
70	070		A4, drinking fountain *Faucet not working, NO SAMPLE SUBMITTED
71	071		A4, classroom faucet *Faucet not working, NO SAMPLE SUBMITTED
72	072	19440100-072BF24A	A4, bathroom faucet
73	073		A2, drinking fountain *Faucet not working, NO SAMPLE SUBMITTED
74	074	19440100-074CF24A	A2, classroom faucet

Relinquished By/Signature: Taylor Cook

Date/Time: 0938 4/18/24

Received By/Signature: Andy Marquis

Date/Time: 1225 04/18/24

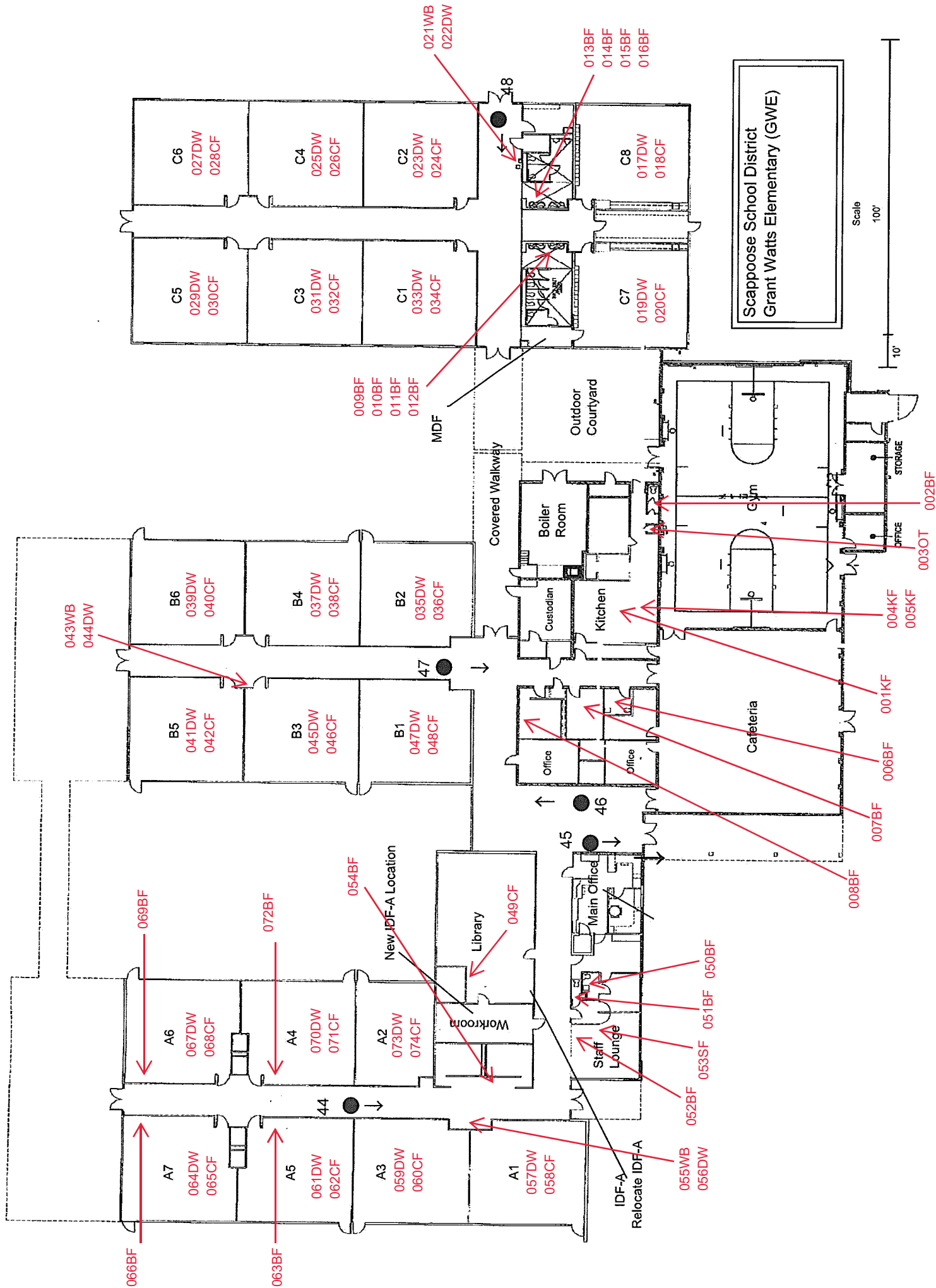


3 of 3

Apex Laboratories

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

Thursday, May 23, 2024

Nathan Carlson

PBS Engineering and Environmental

4412 S Corbett Ave

Portland, OR 97239

RE: A4E0992 - Scappoose School District - Warren ES/27742.000

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 A4E0992, which was received by the laboratory on 5/7/2024 at 12:50:00PM.

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

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

Cooler Receipt Information

Acceptable Receipt Temperature is less than, or equal to, 6 degC (not frozen), or received on ice the same day as sampling.

(See Cooler Receipt Form for details)

Default Cooler 2.3 degC

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

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



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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: **Scappoose School District**Project Number: **Warren ES/27742.000**Project Manager: **Nathan Carlson****Report ID:****A4E0992 - 05 23 24 1245****ANALYTICAL REPORT FOR SAMPLES****SAMPLE INFORMATION**

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
19440300-001KF24A	A4E0992-01	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440300-002KF24A	A4E0992-02	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440300-003KF24A	A4E0992-03	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440300-004BF24A	A4E0992-04	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440300-005BF24A	A4E0992-05	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440300-006BF24A	A4E0992-06	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440300-007CF24A	A4E0992-07	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440300-008BF24A	A4E0992-08	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440300-010WB24A	A4E0992-09	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440300-011CF24A	A4E0992-10	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440300-012DW24A	A4E0992-11	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440300-013CF24A	A4E0992-12	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440300-014SF24A	A4E0992-13	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440300-015SF24A	A4E0992-14	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440300-016BF24A	A4E0992-15	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440300-017CF24A	A4E0992-16	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440300-018CF24A	A4E0992-17	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440300-019CF24A	A4E0992-18	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440300-020BF24A	A4E0992-19	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440300-021BF24A	A4E0992-20	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440300-022BF24A	A4E0992-21	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440300-023BF24A	A4E0992-22	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440300-024BF24A	A4E0992-23	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440300-025BF24A	A4E0992-24	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440300-026BF24A	A4E0992-25	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440300-027BF24A	A4E0992-26	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440300-028DW24A	A4E0992-27	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440300-029CF24A	A4E0992-28	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440300-030DW24A	A4E0992-29	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440300-031CF24A	A4E0992-30	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440300-032DW24A	A4E0992-31	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440300-033CF24A	A4E0992-32	Drinking Water	04/30/24 00:00	05/07/24 12:50

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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: Scappoose School District

Project Number: **Warren ES/27742.000**

Project Manager: **Nathan Carlson**

Report ID:

A4E0992 - 05 23 24 1245

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
19440300-034CF24A	A4E0992-33	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440300-035DW24A	A4E0992-34	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440300-036CF24A	A4E0992-35	Drinking Water	04/30/24 00:00	05/07/24 12:50

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Jason Woodcock, Project Manager

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Tigard, OR 97223
503-718-2323
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4412 S Corbett Ave
Portland, OR 97239Project: **Scappoose School District**
Project Number: **Warren ES/27742.000**
Project Manager: **Nathan Carlson****Report ID:**
A4E0992 - 05 23 24 1245**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
19440300-001KF24A (A4E0992-01)				Matrix: Drinking Water				
Batch: 24E0456								
Lead	7.78	---	0.200	ug/L	1	05/14/24 15:02	EPA 200.8	
19440300-002KF24A (A4E0992-02)				Matrix: Drinking Water				
Batch: 24E0456								
Lead	9.98	---	0.200	ug/L	1	05/14/24 15:04	EPA 200.8	
19440300-003KF24A (A4E0992-03)				Matrix: Drinking Water				
Batch: 24E0456								
Lead	2.63	---	0.200	ug/L	1	05/14/24 15:06	EPA 200.8	
19440300-004BF24A (A4E0992-04)				Matrix: Drinking Water				
Batch: 24E0456								
Lead	40.1	---	0.200	ug/L	1	05/14/24 15:08	EPA 200.8	
19440300-005BF24A (A4E0992-05)				Matrix: Drinking Water				
Batch: 24E0456								
Lead	1.35	---	0.200	ug/L	1	05/14/24 15:13	EPA 200.8	
19440300-006BF24A (A4E0992-06)				Matrix: Drinking Water				
Batch: 24E0456								
Lead	3.20	---	0.200	ug/L	1	05/14/24 15:14	EPA 200.8	
19440300-007CF24A (A4E0992-07)				Matrix: Drinking Water				
Batch: 24E0456								
Lead	0.899	---	0.200	ug/L	1	05/14/24 15:16	EPA 200.8	
19440300-008BF24A (A4E0992-08)				Matrix: Drinking Water				
Batch: 24E0456								
Lead	2.32	---	0.200	ug/L	1	05/14/24 15:18	EPA 200.8	
19440300-010WB24A (A4E0992-09)				Matrix: Drinking Water				
Batch: 24E0456								
Lead	ND	---	0.200	ug/L	1	05/14/24 15:20	EPA 200.8	

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Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
19440300-011CF24A (A4E0992-10)				Matrix: Drinking Water				
Batch: 24E0456								
Lead	34.6	---	0.200	ug/L	1	05/14/24 15:21	EPA 200.8	
19440300-012DW24A (A4E0992-11)				Matrix: Drinking Water				
Batch: 24E0456								
Lead	14.0	---	0.200	ug/L	1	05/14/24 15:23	EPA 200.8	
19440300-013CF24A (A4E0992-12)				Matrix: Drinking Water				
Batch: 24E0456								
Lead	6.11	---	0.200	ug/L	1	05/14/24 15:25	EPA 200.8	
19440300-014SF24A (A4E0992-13)				Matrix: Drinking Water				
Batch: 24E0456								
Lead	22.5	---	0.200	ug/L	1	05/14/24 15:26	EPA 200.8	
19440300-015SF24A (A4E0992-14)				Matrix: Drinking Water				
Batch: 24E0468								
Lead	5.29	---	0.200	ug/L	1	05/14/24 16:27	EPA 200.8	
19440300-016BF24A (A4E0992-15)				Matrix: Drinking Water				
Batch: 24E0468								
Lead	1.20	---	0.200	ug/L	1	05/14/24 16:36	EPA 200.8	
19440300-017CF24A (A4E0992-16)				Matrix: Drinking Water				
Batch: 24E0468								
Lead	17.4	---	0.200	ug/L	1	05/14/24 16:38	EPA 200.8	
19440300-018CF24A (A4E0992-17)				Matrix: Drinking Water				
Batch: 24E0468								
Lead	10.2	---	0.200	ug/L	1	05/14/24 16:39	EPA 200.8	
19440300-019CF24A (A4E0992-18)				Matrix: Drinking Water				
Batch: 24E0468								
Lead	3.25	---	0.200	ug/L	1	05/14/24 16:41	EPA 200.8	

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Portland, OR 97239Project: **Scappoose School District**
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Project Manager: **Nathan Carlson****Report ID:**
A4E0992 - 05 23 24 1245**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
19440300-020BF24A (A4E0992-19) Matrix: Drinking Water								
Batch: 24E0468								
Lead	12.3	---	0.200	ug/L	1	05/14/24 16:43	EPA 200.8	
19440300-021BF24A (A4E0992-20) Matrix: Drinking Water								
Batch: 24E0468								
Lead	8.62	---	0.200	ug/L	1	05/14/24 16:44	EPA 200.8	
19440300-022BF24A (A4E0992-21) Matrix: Drinking Water								
Batch: 24E0468								
Lead	4.04	---	0.200	ug/L	1	05/14/24 16:46	EPA 200.8	
19440300-023BF24A (A4E0992-22) Matrix: Drinking Water								
Batch: 24E0468								
Lead	13.2	---	0.200	ug/L	1	05/14/24 16:48	EPA 200.8	
19440300-024BF24A (A4E0992-23) Matrix: Drinking Water								
Batch: 24E0468								
Lead	19.0	---	0.200	ug/L	1	05/14/24 16:50	EPA 200.8	
19440300-025BF24A (A4E0992-24) Matrix: Drinking Water								
Batch: 24E0468								
Lead	20.7	---	0.200	ug/L	1	05/14/24 16:52	EPA 200.8	
19440300-026BF24A (A4E0992-25) Matrix: Drinking Water								
Batch: 24E0468								
Lead	6.18	---	0.200	ug/L	1	05/14/24 16:59	EPA 200.8	
19440300-027BF24A (A4E0992-26) Matrix: Drinking Water								
Batch: 24E0468								
Lead	4.20	---	0.200	ug/L	1	05/14/24 17:01	EPA 200.8	
19440300-028DW24A (A4E0992-27) Matrix: Drinking Water								
Batch: 24E0468								
Lead	1.66	---	0.200	ug/L	1	05/14/24 17:03	EPA 200.8	

Apex Laboratories

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ANALYTICAL REPORT

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Portland, OR 97239

Project: **Scappoose School District**
Project Number: **Warren ES/27742.000**
Project Manager: **Nathan Carlson**

Report ID:
A4E0992 - 05 23 24 1245

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
19440300-029CF24A (A4E0992-28)				Matrix: Drinking Water				
Batch: 24E0468								
Lead	16.4	---	0.200	ug/L	1	05/14/24 17:05	EPA 200.8	
19440300-030DW24A (A4E0992-29)				Matrix: Drinking Water				
Batch: 24E0468								
Lead	1.09	---	0.200	ug/L	1	05/14/24 17:07	EPA 200.8	
19440300-031CF24A (A4E0992-30)				Matrix: Drinking Water				
Batch: 24E0468								
Lead	26.1	---	0.200	ug/L	1	05/14/24 17:09	EPA 200.8	
19440300-032DW24A (A4E0992-31)				Matrix: Drinking Water				
Batch: 24E0468								
Lead	0.908	---	0.200	ug/L	1	05/14/24 17:10	EPA 200.8	
19440300-033CF24A (A4E0992-32)				Matrix: Drinking Water				
Batch: 24E0468								
Lead	14.2	---	0.200	ug/L	1	05/14/24 17:12	EPA 200.8	
19440300-034CF24A (A4E0992-33)				Matrix: Drinking Water				
Batch: 24E0468								
Lead	18.6	---	0.200	ug/L	1	05/14/24 17:14	EPA 200.8	
19440300-035DW24A (A4E0992-34)				Matrix: Drinking Water				
Batch: 24E0477								
Lead	6.25	---	0.200	ug/L	1	05/14/24 14:17	EPA 200.8	
19440300-036CF24A (A4E0992-35)				Matrix: Drinking Water				
Batch: 24E0477								
Lead	23.6	---	0.200	ug/L	1	05/14/24 14:19	EPA 200.8	

Apex Laboratories

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Portland, OR 97239

Project: **Scappoose School District**Project Number: **Warren ES/27742.000**Project Manager: **Nathan Carlson****Report ID:****A4E0992 - 05 23 24 1245**

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 24E0456 - EPA 200.8 Direct Analysis							Drinking Water					
Blank (24E0456-BLK1)		Prepared: 05/13/24 12:14 Analyzed: 05/14/24 14:39										
EPA 200.8												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (24E0456-BS1)		Prepared: 05/13/24 12:14 Analyzed: 05/14/24 14:41										
EPA 200.8												
Lead	14.6	---	0.201	ug/L	1	15.0	---	97	85 - 115%	---	---	
Matrix Spike (24E0456-MS2)		Prepared: 05/13/24 12:14 Analyzed: 05/14/24 15:28										
QC Source Sample: 19440300-014SF24A (A4E0992-13)												
EPA 200.8												
Lead	36.9	---	0.201	ug/L	1	15.0	22.5	96	70 - 130%	---	---	
Batch 24E0468 - EPA 200.8 Direct Analysis							Drinking Water					
Blank (24E0468-BLK1)		Prepared: 05/13/24 15:13 Analyzed: 05/14/24 16:24										
EPA 200.8												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (24E0468-BS1)		Prepared: 05/13/24 15:13 Analyzed: 05/14/24 16:25										
EPA 200.8												
Lead	15.2	---	0.201	ug/L	1	15.0	---	101	85 - 115%	---	---	
Duplicate (24E0468-DUP2)		Prepared: 05/13/24 15:13 Analyzed: 05/14/24 16:57										
QC Source Sample: 19440300-015SF24A (A4E0992-14)												
EPA 200.8												
Lead	5.17	---	0.200	ug/L	1	---	5.29	---	---	2	20%	Q-16
Matrix Spike (24E0468-MS1)		Prepared: 05/13/24 15:13 Analyzed: 05/14/24 16:31										
QC Source Sample: 19440300-015SF24A (A4E0992-14)												
EPA 200.8												
Lead	21.7	---	0.201	ug/L	1	15.0	5.29	110	70 - 130%	---	---	
Matrix Spike (24E0468-MS2)		Prepared: 05/13/24 15:13 Analyzed: 05/14/24 17:19										
QC Source Sample: 19440300-034CF24A (A4E0992-33)												

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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 97239

Project: **Scappoose School District**

Project Number: **Warren ES/27742.000**

Project Manager: **Nathan Carlson**

Report ID:

A4E0992 - 05 23 24 1245

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 24E0468 - EPA 200.8 Direct Analysis							Drinking Water					
Matrix Spike (24E0468-MS2)		Prepared: 05/13/24 15:13 Analyzed: 05/14/24 17:19										
QC Source Sample: 19440300-034CF24A (A4E0992-33)												
EPA 200.8												
Lead	33.3	---	0.201	ug/L	1	15.0	18.6	98	70 - 130%	---	---	

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Jason Woodcock, Project Manager

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Project: **Scappoose School District**
Project Number: **Warren ES/27742.000**
Project Manager: **Nathan Carlson**

Report ID:
A4E0992 - 05 23 24 1245

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 24E0477 - EPA 200.8 Direct Analysis							Drinking Water					
Blank (24E0477-BLK1)		Prepared: 05/13/24 18:14 Analyzed: 05/14/24 13:50										
EPA 200.8												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (24E0477-BS1)		Prepared: 05/13/24 18:14 Analyzed: 05/14/24 13:52										
EPA 200.8												
Lead	15.1	---	0.201	ug/L	1	15.0	---	101	85 - 115%	---	---	

No Client related Batch QC samples analyzed for this batch. See notes page for more information.

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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 97239**Project: **Scappoose School District**Project Number: **Warren ES/27742.000**Project Manager: **Nathan Carlson****Report ID:****A4E0992 - 05 23 24 1245****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: 24E0456</u>							
A4E0992-01	Drinking Water	EPA 200.8	04/30/24 00:00	05/13/24 12:14	10mL/10mL	10mL/10mL	1.00
A4E0992-02	Drinking Water	EPA 200.8	04/30/24 00:00	05/13/24 12:14	10mL/10mL	10mL/10mL	1.00
A4E0992-03	Drinking Water	EPA 200.8	04/30/24 00:00	05/13/24 12:14	10mL/10mL	10mL/10mL	1.00
A4E0992-04	Drinking Water	EPA 200.8	04/30/24 00:00	05/13/24 12:14	10mL/10mL	10mL/10mL	1.00
A4E0992-05	Drinking Water	EPA 200.8	04/30/24 00:00	05/13/24 12:14	10mL/10mL	10mL/10mL	1.00
A4E0992-06	Drinking Water	EPA 200.8	04/30/24 00:00	05/13/24 12:14	10mL/10mL	10mL/10mL	1.00
A4E0992-07	Drinking Water	EPA 200.8	04/30/24 00:00	05/13/24 12:14	10mL/10mL	10mL/10mL	1.00
A4E0992-08	Drinking Water	EPA 200.8	04/30/24 00:00	05/13/24 12:14	10mL/10mL	10mL/10mL	1.00
A4E0992-09	Drinking Water	EPA 200.8	04/30/24 00:00	05/13/24 12:14	10mL/10mL	10mL/10mL	1.00
A4E0992-10	Drinking Water	EPA 200.8	04/30/24 00:00	05/13/24 12:14	10mL/10mL	10mL/10mL	1.00
A4E0992-11	Drinking Water	EPA 200.8	04/30/24 00:00	05/13/24 12:14	10mL/10mL	10mL/10mL	1.00
A4E0992-12	Drinking Water	EPA 200.8	04/30/24 00:00	05/13/24 12:14	10mL/10mL	10mL/10mL	1.00
A4E0992-13	Drinking Water	EPA 200.8	04/30/24 00:00	05/13/24 12:14	10mL/10mL	10mL/10mL	1.00
<u>Batch: 24E0468</u>							
A4E0992-14	Drinking Water	EPA 200.8	04/30/24 00:00	05/13/24 15:13	10mL/10mL	10mL/10mL	1.00
A4E0992-15	Drinking Water	EPA 200.8	04/30/24 00:00	05/13/24 15:13	10mL/10mL	10mL/10mL	1.00
A4E0992-16	Drinking Water	EPA 200.8	04/30/24 00:00	05/13/24 15:13	10mL/10mL	10mL/10mL	1.00
A4E0992-17	Drinking Water	EPA 200.8	04/30/24 00:00	05/13/24 15:13	10mL/10mL	10mL/10mL	1.00
A4E0992-18	Drinking Water	EPA 200.8	04/30/24 00:00	05/13/24 15:13	10mL/10mL	10mL/10mL	1.00
A4E0992-19	Drinking Water	EPA 200.8	04/30/24 00:00	05/13/24 15:13	10mL/10mL	10mL/10mL	1.00
A4E0992-20	Drinking Water	EPA 200.8	04/30/24 00:00	05/13/24 15:13	10mL/10mL	10mL/10mL	1.00
A4E0992-21	Drinking Water	EPA 200.8	04/30/24 00:00	05/13/24 15:13	10mL/10mL	10mL/10mL	1.00
A4E0992-22	Drinking Water	EPA 200.8	04/30/24 00:00	05/13/24 15:13	10mL/10mL	10mL/10mL	1.00
A4E0992-23	Drinking Water	EPA 200.8	04/30/24 00:00	05/13/24 15:13	10mL/10mL	10mL/10mL	1.00
A4E0992-24	Drinking Water	EPA 200.8	04/30/24 00:00	05/13/24 15:13	10mL/10mL	10mL/10mL	1.00
A4E0992-25	Drinking Water	EPA 200.8	04/30/24 00:00	05/13/24 15:13	10mL/10mL	10mL/10mL	1.00
A4E0992-26	Drinking Water	EPA 200.8	04/30/24 00:00	05/13/24 15:13	10mL/10mL	10mL/10mL	1.00
A4E0992-27	Drinking Water	EPA 200.8	04/30/24 00:00	05/13/24 15:13	10mL/10mL	10mL/10mL	1.00
A4E0992-28	Drinking Water	EPA 200.8	04/30/24 00:00	05/13/24 15:13	10mL/10mL	10mL/10mL	1.00
A4E0992-29	Drinking Water	EPA 200.8	04/30/24 00:00	05/13/24 15:13	10mL/10mL	10mL/10mL	1.00
A4E0992-30	Drinking Water	EPA 200.8	04/30/24 00:00	05/13/24 15:13	10mL/10mL	10mL/10mL	1.00
A4E0992-31	Drinking Water	EPA 200.8	04/30/24 00:00	05/13/24 15:13	10mL/10mL	10mL/10mL	1.00
A4E0992-32	Drinking Water	EPA 200.8	04/30/24 00:00	05/13/24 15:13	10mL/10mL	10mL/10mL	1.00
A4E0992-33	Drinking Water	EPA 200.8	04/30/24 00:00	05/13/24 15:13	10mL/10mL	10mL/10mL	1.00

Batch: 24E0477

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

Project: **Scappoose School District**
Project Number: **Warren ES/27742.000**
Project Manager: **Nathan Carlson**

Report ID:
A4E0992 - 05 23 24 1245

SAMPLE PREPARATION INFORMATION

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Prep: EPA 200.8 Direct Analysis

					Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
A4E0992-34	Drinking Water	EPA 200.8	04/30/24 00:00	05/13/24 18:14	10mL/10mL	10mL/10mL	1.00
A4E0992-35	Drinking Water	EPA 200.8	04/30/24 00:00	05/13/24 18:14	10mL/10mL	10mL/10mL	1.00

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QUALIFIER DEFINITIONS

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

Apex Laboratories

Q-16 Reanalysis of an original Batch QC sample.

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REPORTING NOTES AND CONVENTIONS:

Abbreviations:

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

Detection Limits: Limit of Detection (LOD)

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

Reporting Limits: Limit of Quantitation (LOQ)

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

Reporting Conventions:

Basis: Results for soil samples are generally reported on a 100% dry weight basis.
The Result Basis is listed following the units as "dry", "wet", or " " (blank) designation.

"dry" Sample results and Reporting Limits are reported on a dry weight basis. (i.e. "ug/kg dry")
See Percent Solids section for details of dry weight analysis.

"wet" Sample results and Reporting Limits for this analysis are normally dry weight corrected, but have not been modified in this case.

" " Results without 'wet' or 'dry' designation are not normally dry weight corrected. These results are considered 'As Received'.

QC Source:

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

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

Miscellaneous Notes:

" --- " QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.

" *** " Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

Blanks:

Standard practice is to evaluate the results from Blank QC Samples down to a level equal to ½ the Reporting Limit (RL).

- For Blank hits falling between ½ the RL and the RL (J flagged hits), the associated sample and QC data will receive a 'B-02' qualifier.
- For Blank hits above the RL, the associated sample and QC data will receive a 'B' qualifier, per Apex Laboratories' Blank Policy.

For further details, please request a copy of this document.

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A4E0992 - 05 23 24 1245

REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks (Cont.):

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

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

Preparation Notes:

Mixed Matrix Samples:

Water Samples:

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

Soil and Sediment Samples:

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

Sampling and Preservation Notes:

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

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

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

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

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ANALYTICAL REPORT

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Project Number: **Warren ES/27742.000**

Project Manager: **Nathan Carlson**

Report ID:

A4E0992 - 05 23 24 1245

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.

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Project: **Scappoose School District**

Project Number: **Warren ES/27742.000**

Project Manager: **Nathan Carlson**

Report ID:

A4E0992 - 05 23 24 1245

Lead in Drinking Water Testing Program

Date Collected: 04/30/2024

PBS Project: 27740.000

School Name: Warren Elementary School

Building: Main Building/ Portable building

Building Number: 19440300

Analysis Requested: Lead (Pb) in Drinking Water

Email Results To: John.yuly
taylor.cook@pbsusa.com; nathan.carlson@pbsusa.com

Turnaround Time: 10-day

	Fixture Number	Sample Number	Room / Location
1	001	19440300-001KF24A	Kitchen, North nozzle, kitchen faucet.
2	002	19440300-002KF24A	Kitchen, East nozzle, kitchen faucet.
3	003	19440300-003KF24A	Kitchen, East faucet, kitchen faucet.
4	004	19440300-004BF24A	Kitchen, outside of restroom, restroom faucet.
5	005	19440300-005BF24A	Nurse room's restroom, restroom faucet.
6	006	19440300-006BF24A	Preschool portable building, left restroom.
7	007	19440300-007CF24A	Preschool portable building, sink outside of restroom.
8	008	19440300-008BF24A	Preschool portable building, right restroom.
9	009	19440300-009DW24A	Outside of Library, drinking fountain. *Out of order, NO SAMPLE SUBMITTED.
10	010	19440300-010WB24A	Outside of Library, water bottle filler.
11	011	19440300-011CF24A	Classroom B2, classroom faucet.
12	012	19440300-012DW24A	Classroom B1, drinking fountain.
13	013	19440300-013CF24A	Classroom B1, classroom faucet.
14	014	19440300-014SF24A	Library, staff faucet.
15	015	19440300-015SF24A	Behind stage, staff faucet.
16	016	19440300-016BF24A	Behind stage, restroom faucet.
17	017	19440300-017CF24A	Classroom C1, classroom faucet.
18	018	19440300-018CF24A	Classroom C3, classroom faucet.
19	019	19440300-019CF24A	Classroom C2, classroom faucet.
20	020	19440300-020BF24A	Women's restroom, left, restroom faucet.

1 of 2

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Project Number: **Warren ES/27742.000**

Project Manager: **Nathan Carlson**

Report ID:

A4E0992 - 05 23 24 1245

Lead in Drinking Water Testing Program

Scappoose School District

Date Collected: 04/30/2024

School Name: Warren Elementary School

	Fixture Number	Sample Number	Room / Location
21	021	19440300-021BF24A	Women's restroom, left center, restroom faucet.
22	022	19440300-022BF24A	Women's restroom, right center, restroom faucet.
23	023	19440300-023BF24A	Women's restroom, right, restroom faucet.
24	024	19440300-024BF24A	Men's restroom, left, restroom faucet.
25	025	19440300-025BF24A	Men's restroom, left center, restroom faucet.
26	026	19440300-026BF24A	Men's restroom, right center, restroom faucet.
27	027	19440300-027BF24A	Men's restroom, right, restroom faucet.
28	028	19440300-028DW24A	Classroom D5, drinking fountain.
29	029	19440300-029CF24A	Classroom D5, classroom faucet.
30	030	19440300-030DW24A	Classroom D4, drinking fountain.
31	031	19440300-031CF24A	Classroom D4, classroom faucet.
32	032	19440300-032DW24A	Classroom D3, drinking fountain.
33	033	19440300-033CF24A	Classroom D3, classroom faucet.
34	034	19440300-034CF24A	Classroom D2, classroom faucet.
35	035	19440300-035DW24A	Classroom D1, drinking fountain.
36	036	19440300-036CF24A	Classroom D1, classroom faucet.

Relinquished By/Signature

Received By/Signature:

Date/Time:

Date/Time:



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4412 S Corbett Ave

Portland, OR 97239

Project: **Scappoose School District**Project Number: **Warren ES/27742.000**Project Manager: **Nathan Carlson****Report ID:****A4E0992 - 05 23 24 1245****APEX LABS COOLER RECEIPT FORM**Client: PBS Element WO#: A4E0992Project/Project #: Warren Elementary School/27742.000**Delivery Info:**Date/time received: 5/7/24 @ 12:50 By: AJMDelivered by: Apex ☒ Client ☐ ESS ☐ FedEx ☐ UPS ☐ Radio ☐ Morgan ☐ SDS ☐ Evergreen ☐ Other ☐From USDA Regulated Origin? Yes ☐ No ☒**Cooler Inspection** Date/time inspected: 5/7/24 @ 14:20 By: KABChain of Custody included? Yes ☒ No ☐Signed/dated by client? Yes ☒ No ☐Contains USDA Reg. Soils? Yes ☒ No ☒ Unsure (email RegSoils) ☐

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	<u>2.3</u>						
Custody seals? (Y/N)	<u>N</u>						
Received on ice? (Y/N)	<u>N</u>						
Temp. blanks? (Y/N)	<u>N</u>						
Ice type: (Gel/Real/Other)	<u>None</u>						
Condition (In/Out):	<u>Out</u>						

Cooler out of temp? ☒ (N) Possible reason why: Drinking waterGreen dots applied to out of temperature samples? Yes ☒ No ☐Out of temperature samples form initiated? Yes ☒ No ☐**Sample Inspection:** Date/time inspected: 5/7/24 @ 14:30 By: KABAll samples intact? Yes ☒ No ☐ Comments: Prefix and SuffixBottle labels/COCs agree? Yes ☐ No ☒ Comments: All containers missingCOC/container discrepancies form initiated? Yes ☐ No ☒Containers/volumes received appropriate for analysis? Yes ☒ No ☐ Comments: Prefix and SuffixDo VOA vials have visible headspace? Yes ☐ No ☐ NA ☒Comments: Prefix and SuffixWater samples: pH checked: Yes ☒ No ☐ NA ☐ pH appropriate? Yes ☒ No ☐ NA ☐ pH ID: A232172Comments: Prefix and SuffixLabeled by: KABWitness: AJMCooler Inspected by: KAB

Form Y-003 R-02

Apex Laboratories

Jason Woodcock, Project Manager

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020BF
021BF
022BF
023BF

024BF
025BF
026BF
027BF

C2
019CF

C3
018CF

D5
028DW
029CF

D4
030DW
031CF

D2
034CF

D3
032DW
033CF

D1
035DW
036CF

Outdoor
Covered
Area

Outdoor
Covered
Area

MDF

EDGE OF ROOF
OVERHANG ABOVE

EDGE OF ROOF
OVERHANG ABOVE

EDGE OF ROOF
OVERHANG ABOVE

Office Area

OFFICE

Outdoor
Covered
Area

STORAGE

Library

Office Area

OFFICE

OFFICE

014SF

Gym

009DW
010WB

002KF
003KF

004BF

Kitchen

Cafeteria

001KF

005BF

011CF

012DW
013CF

Main
Offices

HEALTH

MECHANICAL

STORAGE

006BF
007CF
008BF

PORTABLE CLASSROOMS ARE NOT OWNED
OR MAINTAINED BY THE DISTRICT.

006BF
007CF
008BF

Scappoose School District
Warren Elementary School (WES)

Scale

100'

10'



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

Friday, May 31, 2024

Nathan Carlson

PBS Engineering and Environmental

4412 S Corbett Ave

Portland, OR 97239

RE: A4E1146 - Scappoose School District - Otto Peterson ES/27742.000

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 A4E1146, which was received by the laboratory on 5/7/2024 at 12:50:00PM.

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

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

Cooler Receipt Information

Acceptable Receipt Temperature is less than, or equal to, 6 degC (not frozen), or received on ice the same day as sampling.

(See Cooler Receipt Form for details)

Default Cooler 22.3 degC

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

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



Apex Laboratories

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Jason Woodcock, Project Manager

**ANALYTICAL REPORT****AMENDED 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: **Scappoose School District**Project Number: **Otto Peterson ES/27742.000**Project Manager: **Nathan Carlson****Report ID:****A4E1146 - 05 31 24 1322****ANALYTICAL REPORT FOR SAMPLES****SAMPLE INFORMATION**

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
19440200-001KF24A	A4E1146-01	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-002KF24A	A4E1146-02	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-003KF24A	A4E1146-03	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-004KF24A	A4E1146-04	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-005KF24A	A4E1146-05	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-006KF24A	A4E1146-06	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-007KF24A	A4E1146-07	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-008KF24A	A4E1146-08	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-009KF24A	A4E1146-09	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-010KF24A	A4E1146-10	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-011KF24A	A4E1146-11	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-012KF24A	A4E1146-12	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-013BF24A	A4E1146-13	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-014BF24A	A4E1146-14	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-015DW24A	A4E1146-15	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-016DW24A	A4E1146-16	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-017WB24A	A4E1146-17	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-019BF24A	A4E1146-18	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-020DW24A	A4E1146-19	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-021CF24A	A4E1146-20	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-023CF24A	A4E1146-21	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-024DW24A	A4E1146-22	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-025CF24A	A4E1146-23	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-026DW24A	A4E1146-24	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-027CF24A	A4E1146-25	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-028DW24A	A4E1146-26	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-029CF24A	A4E1146-27	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-030DW24A	A4E1146-28	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-031CF24A	A4E1146-29	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-032DW24A	A4E1146-30	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-033CF24A	A4E1146-31	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-034DW24A	A4E1146-32	Drinking Water	05/01/24 00:00	05/07/24 12:50

Apex Laboratories

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Jason Woodcock, Project Manager

**ANALYTICAL REPORT****AMENDED 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: **Scappoose School District**Project Number: **Otto Peterson ES/27742.000**Project Manager: **Nathan Carlson****Report ID:****A4E1146 - 05 31 24 1322****ANALYTICAL REPORT FOR SAMPLES****SAMPLE INFORMATION**

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
19440200-035CF24A	A4E1146-33	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-036DW24A	A4E1146-34	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-037CF24A	A4E1146-35	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-038SF24A	A4E1146-36	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-039BF24A	A4E1146-37	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-040NS24A	A4E1146-38	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-041BF24A	A4E1146-39	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-042SF24A	A4E1146-40	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-043IM24A	A4E1146-41	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-044DW24A	A4E1146-42	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-045CF24A	A4E1146-43	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-046DW24A	A4E1146-44	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-047CF24A	A4E1146-45	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-048CF24A	A4E1146-46	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-049BF24A	A4E1146-47	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-051DW24A	A4E1146-48	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-052DW24A	A4E1146-49	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-053CF24A	A4E1146-50	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-054DW24A	A4E1146-51	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-055NS24A	A4E1146-52	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-057CF24A	A4E1146-53	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-058BF24A	A4E1146-54	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-059BF24A	A4E1146-55	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-060DW24A	A4E1146-56	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-061DW24A	A4E1146-57	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-062BW24A	A4E1146-58	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-063DW24A	A4E1146-59	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-064CF24A	A4E1146-60	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-065DW24A	A4E1146-61	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-066CF24A	A4E1146-62	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-067DW24A	A4E1146-63	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-068CF24A	A4E1146-64	Drinking Water	05/01/24 00:00	05/07/24 12:50

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Jason Woodcock, Project Manager

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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: **Scappoose School District**Project Number: **Otto Peterson ES/27742.000**Project Manager: **Nathan Carlson****Report ID:****A4E1146 - 05 31 24 1322****ANALYTICAL REPORT FOR SAMPLES****SAMPLE INFORMATION**

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
19440200-069DW24A	A4E1146-65	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-070CF24A	A4E1146-66	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-071DW24A	A4E1146-67	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-072CF24A	A4E1146-68	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-073DW24A	A4E1146-69	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-074CF24A	A4E1146-70	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-075DW24A	A4E1146-71	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-076CF24A	A4E1146-72	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-077SF24A	A4E1146-73	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-078DW24A	A4E1146-74	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-079CF24A	A4E1146-75	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-080DW24A	A4E1146-76	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-081CF24A	A4E1146-77	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-082DW24A	A4E1146-78	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-083CF24A	A4E1146-79	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-084DW24A	A4E1146-80	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-085CF24A	A4E1146-81	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-086DW24A	A4E1146-82	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-087CF24A	A4E1146-83	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-089DW24A	A4E1146-85	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-090WB24A	A4E1146-86	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-091BF24A	A4E1146-87	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-092DW24A	A4E1146-88	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-093CF24A	A4E1146-89	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-094DW24A	A4E1146-90	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-095CF24A	A4E1146-91	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-096DW24A	A4E1146-92	Drinking Water	05/01/24 00:00	05/07/24 12:50
19440200-097CF24A	A4E1146-93	Drinking Water	05/01/24 00:00	05/07/24 12:50

Apex Laboratories

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Jason Woodcock, Project Manager



ANALYTICAL REPORT

AMENDED 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: **Scappoose School District**

Project Number: **Otto Peterson ES/27742.000**

Project Manager: **Nathan Carlson**

Report ID:

A4E1146 - 05 31 24 1322

ANALYTICAL CASE NARRATIVE

Work Order: **A4E1146**

Apex Laboratories

Amended Final Report #1 - This report supersedes all previous reports.

EPA 200.2M, 200.8: Amended Data

This report contains modified data for Copper and Lead by method EPA 200.2M, 200.8 for the following samples:

"19440200-002KF24A" (Apex Labs ID: A4E1146-02)
"19440200-003KF24A" (Apex Labs ID: A4E1146-03)
"19440200-004KF24A" (Apex Labs ID: A4E1146-04)
"19440200-007KF24A" (Apex Labs ID: A4E1146-07)
"19440200-008KF24A" (Apex Labs ID: A4E1146-08)
"19440200-010KF24A" (Apex Labs ID: A4E1146-10)
"19440200-011KF24A" (Apex Labs ID: A4E1146-11)
"19440200-012KF24A" (Apex Labs ID: A4E1146-12)
"19440200-021KF24A" (Apex Labs ID: A4E1146-20)
"19440200-027KF24A" (Apex Labs ID: A4E1146-25)
"19440200-031KF24A" (Apex Labs ID: A4E1146-29)
"19440200-033KF24A" (Apex Labs ID: A4E1146-31)
"19440200-045KF24A" (Apex Labs ID: A4E1146-43)
"19440200-066KF24A" (Apex Labs ID: A4E1146-62)
"19440200-068KF24A" (Apex Labs ID: A4E1146-64)
"19440200-070KF24A" (Apex Labs ID: A4E1146-66)
"19440200-072KF24A" (Apex Labs ID: A4E1146-68)
"19440200-081KF24A" (Apex Labs ID: A4E1146-77)

A discrepancy was found in the Method Reporting Level for EPA 200.2M. The affected data is flagged in the report with the AMEND qualifier and reporting levels corrected.

Marshall Pattee
Metals Manager
05/28/2024

Apex Laboratories

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Jason Woodcock, Project Manager

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Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062****PBS Engineering and Environmental****4412 S Corbett Ave
Portland, OR 97239**Project: **Scappoose School District**Project Number: **Otto Peterson ES/27742.000**Project Manager: **Nathan Carlson****Report ID:****A4E1146 - 05 31 24 1322****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
19440200-001KF24A (A4E1146-01)				Matrix: Drinking Water				
Batch: 24E0659								
Lead	17.4	---	0.200	ug/L	1	05/17/24 17:33	EPA 200.8	
19440200-002KF24A (A4E1146-02)				Matrix: Drinking Water				
Batch: 24E0752								
Lead	23.3	---	0.222	ug/L	1	05/21/24 22:22	EPA 200.8	AMEND, DW-D
19440200-003KF24A (A4E1146-03)				Matrix: Drinking Water				
Batch: 24E0752								
Lead	14.4	---	0.222	ug/L	1	05/21/24 22:35	EPA 200.8	AMEND, DW-D
19440200-004KF24A (A4E1146-04)				Matrix: Drinking Water				
Batch: 24E0752								
Lead	11.3	---	0.222	ug/L	1	05/21/24 22:47	EPA 200.8	AMEND, DW-D
19440200-005KF24A (A4E1146-05)				Matrix: Drinking Water				
Batch: 24E0659								
Lead	2.31	---	0.200	ug/L	1	05/17/24 17:42	EPA 200.8	
19440200-006KF24A (A4E1146-06)				Matrix: Drinking Water				
Batch: 24E0659								
Lead	3.56	---	0.200	ug/L	1	05/17/24 17:43	EPA 200.8	
19440200-007KF24A (A4E1146-07)				Matrix: Drinking Water				
Batch: 24E0752								
Lead	49.2	---	0.222	ug/L	1	05/21/24 23:12	EPA 200.8	AMEND, DW-D
19440200-008KF24A (A4E1146-08)				Matrix: Drinking Water				
Batch: 24E0752								
Lead	16.2	---	0.222	ug/L	1	05/21/24 23:18	EPA 200.8	AMEND, DW-D
19440200-009KF24A (A4E1146-09)				Matrix: Drinking Water				

Apex Laboratories

Jason Woodcock, Project Manager

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ANALYTICAL REPORT

AMENDED 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: **Scappoose School District**Project Number: **Otto Peterson ES/27742.000**Project Manager: **Nathan Carlson****Report ID:****A4E1146 - 05 31 24 1322**

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
19440200-009KF24A (A4E1146-09)				Matrix: Drinking Water				
Batch: 24E0659								
Lead	9.45	---	0.200	ug/L	1	05/17/24 17:45	EPA 200.8	
19440200-010KF24A (A4E1146-10)				Matrix: Drinking Water				
Batch: 24E0752								
Lead	37.2	---	0.222	ug/L	1	05/21/24 23:25	EPA 200.8	AMEND, DW-D
19440200-011KF24A (A4E1146-11)				Matrix: Drinking Water				
Batch: 24E0752								
Lead	35.0	---	0.222	ug/L	1	05/21/24 23:31	EPA 200.8	AMEND, DW-D
19440200-012KF24A (A4E1146-12)				Matrix: Drinking Water				
Batch: 24E0752								
Lead	21.0	---	0.222	ug/L	1	05/21/24 23:37	EPA 200.8	AMEND, DW-D
19440200-013BF24A (A4E1146-13)				Matrix: Drinking Water				
Batch: 24E0659								
Lead	0.458	---	0.200	ug/L	1	05/17/24 17:47	EPA 200.8	
19440200-014BF24A (A4E1146-14)				Matrix: Drinking Water				
Batch: 24E0659								
Lead	1.05	---	0.200	ug/L	1	05/17/24 17:49	EPA 200.8	
19440200-015DW24A (A4E1146-15)				Matrix: Drinking Water				
Batch: 24E0659								
Lead	0.218	---	0.200	ug/L	1	05/17/24 17:50	EPA 200.8	
19440200-016DW24A (A4E1146-16)				Matrix: Drinking Water				
Batch: 24E0659								
Lead	ND	---	0.200	ug/L	1	05/17/24 17:52	EPA 200.8	
19440200-017WB24A (A4E1146-17)				Matrix: Drinking Water				
Batch: 24E0659								

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ANALYTICAL REPORT

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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: **Scappoose School District**Project Number: **Otto Peterson ES/27742.000**Project Manager: **Nathan Carlson****Report ID:****A4E1146 - 05 31 24 1322**

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
19440200-017WB24A (A4E1146-17)				Matrix: Drinking Water				
Lead	ND	---	0.200	ug/L	1	05/17/24 17:54	EPA 200.8	
19440200-019BF24A (A4E1146-18)				Matrix: Drinking Water				
Batch: 24E0659								
Lead	12.9	---	0.200	ug/L	1	05/17/24 17:56	EPA 200.8	
19440200-020DW24A (A4E1146-19)				Matrix: Drinking Water				
Batch: 24E0659								
Lead	10.2	---	0.200	ug/L	1	05/17/24 17:57	EPA 200.8	
19440200-021CF24A (A4E1146-20)				Matrix: Drinking Water				
Batch: 24E0752								
Lead	9.04	---	0.222	ug/L	1	05/21/24 23:44	EPA 200.8	AMEND, DW-D
19440200-023CF24A (A4E1146-21)				Matrix: Drinking Water				
Batch: 24E0659								
Lead	3.36	---	0.200	ug/L	1	05/17/24 18:02	EPA 200.8	
19440200-024DW24A (A4E1146-22)				Matrix: Drinking Water				
Batch: 24E0659								
Lead	10.8	---	0.200	ug/L	1	05/17/24 18:04	EPA 200.8	
19440200-025CF24A (A4E1146-23)				Matrix: Drinking Water				
Batch: 24E0659								
Lead	6.40	---	0.200	ug/L	1	05/17/24 18:06	EPA 200.8	
19440200-026DW24A (A4E1146-24)				Matrix: Drinking Water				
Batch: 24E0659								
Lead	4.39	---	0.200	ug/L	1	05/17/24 18:08	EPA 200.8	
19440200-027CF24A (A4E1146-25)				Matrix: Drinking Water				
Batch: 24E0752								
Lead	10.4	---	0.222	ug/L	1	05/21/24 23:50	EPA 200.8	AMEND, DW-D

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ANALYTICAL SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
19440200-028DW24A (A4E1146-26)				Matrix: Drinking Water				
Batch: 24E0659								
Lead	5.50	---	0.200	ug/L	1	05/17/24 18:09	EPA 200.8	
19440200-029CF24A (A4E1146-27)				Matrix: Drinking Water				
Batch: 24E0659								
Lead	11.5	---	0.200	ug/L	1	05/17/24 18:11	EPA 200.8	
19440200-030DW24A (A4E1146-28)				Matrix: Drinking Water				
Batch: 24E0659								
Lead	5.31	---	0.200	ug/L	1	05/17/24 18:13	EPA 200.8	
19440200-031CF24A (A4E1146-29)				Matrix: Drinking Water				
Batch: 24E0752								
Lead	8.50	---	0.222	ug/L	1	05/21/24 23:56	EPA 200.8	AMEND, DW-D
19440200-032DW24A (A4E1146-30)				Matrix: Drinking Water				
Batch: 24E0659								
Lead	4.00	---	0.200	ug/L	1	05/17/24 18:15	EPA 200.8	
19440200-033CF24A (A4E1146-31)				Matrix: Drinking Water				
Batch: 24E0752								
Lead	5.89	---	0.222	ug/L	1	05/22/24 00:02	EPA 200.8	AMEND, DW-D
19440200-034DW24A (A4E1146-32)				Matrix: Drinking Water				
Batch: 24E0659								
Lead	3.31	---	0.200	ug/L	1	05/17/24 18:16	EPA 200.8	
19440200-035CF24A (A4E1146-33)				Matrix: Drinking Water				
Batch: 24E0672								
Lead	6.32	---	0.200	ug/L	1	05/20/24 19:45	EPA 200.8	
19440200-036DW24A (A4E1146-34)				Matrix: Drinking Water				
Batch: 24E0672								
Lead	7.57	---	0.200	ug/L	1	05/20/24 19:50	EPA 200.8	

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ANALYTICAL SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
19440200-037CF24A (A4E1146-35) Matrix: Drinking Water								
Batch: 24E0672								
Lead	7.63	---	0.200	ug/L	1	05/20/24 19:51	EPA 200.8	
19440200-038SF24A (A4E1146-36) Matrix: Drinking Water								
Batch: 24E0672								
Lead	3.29	---	0.200	ug/L	1	05/20/24 19:53	EPA 200.8	
19440200-039BF24A (A4E1146-37) Matrix: Drinking Water								
Batch: 24E0672								
Lead	1.24	---	0.200	ug/L	1	05/20/24 19:55	EPA 200.8	
19440200-040NS24A (A4E1146-38) Matrix: Drinking Water								
Batch: 24E0672								
Lead	11.3	---	0.200	ug/L	1	05/20/24 19:56	EPA 200.8	
19440200-041BF24A (A4E1146-39) Matrix: Drinking Water								
Batch: 24E0672								
Lead	0.649	---	0.200	ug/L	1	05/20/24 20:01	EPA 200.8	
19440200-042SF24A (A4E1146-40) Matrix: Drinking Water								
Batch: 24E0672								
Lead	3.93	---	0.200	ug/L	1	05/20/24 20:03	EPA 200.8	
19440200-043IM24A (A4E1146-41) Matrix: Drinking Water								
Batch: 24E0672								
Lead	ND	---	0.200	ug/L	1	05/20/24 20:05	EPA 200.8	
19440200-044DW24A (A4E1146-42) Matrix: Drinking Water								
Batch: 24E0672								
Lead	8.50	---	0.200	ug/L	1	05/20/24 20:07	EPA 200.8	
19440200-045CF24A (A4E1146-43) Matrix: Drinking Water								
Batch: 24E0752								
Lead	11.8	---	0.222	ug/L	1	05/22/24 00:09	EPA 200.8	AMEND, DW-D

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ANALYTICAL SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
19440200-046DW24A (A4E1146-44) Matrix: Drinking Water								
Batch: 24E0672								
Lead	5.74	---	0.200	ug/L	1	05/20/24 20:08	EPA 200.8	
19440200-047CF24A (A4E1146-45) Matrix: Drinking Water								
Batch: 24E0672								
Lead	6.26	---	0.200	ug/L	1	05/20/24 20:10	EPA 200.8	
19440200-048CF24A (A4E1146-46) Matrix: Drinking Water								
Batch: 24E0672								
Lead	5.22	---	0.200	ug/L	1	05/20/24 20:12	EPA 200.8	
19440200-049BF24A (A4E1146-47) Matrix: Drinking Water								
Batch: 24E0672								
Lead	0.860	---	0.200	ug/L	1	05/20/24 20:13	EPA 200.8	
19440200-051DW24A (A4E1146-48) Matrix: Drinking Water								
Batch: 24E0672								
Lead	1.50	---	0.200	ug/L	1	05/20/24 20:15	EPA 200.8	
19440200-052DW24A (A4E1146-49) Matrix: Drinking Water								
Batch: 24E0672								
Lead	7.75	---	0.200	ug/L	1	05/20/24 20:17	EPA 200.8	
19440200-053CF24A (A4E1146-50) Matrix: Drinking Water								
Batch: 24E0672								
Lead	10.8	---	0.200	ug/L	1	05/20/24 20:22	EPA 200.8	
19440200-054DW24A (A4E1146-51) Matrix: Drinking Water								
Batch: 24E0672								
Lead	25.3	---	0.200	ug/L	1	05/20/24 20:23	EPA 200.8	
19440200-055NS24A (A4E1146-52) Matrix: Drinking Water								
Batch: 24E0672								
Lead	13.9	---	0.200	ug/L	1	05/20/24 20:25	EPA 200.8	

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ANALYTICAL SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
19440200-057CF24A (A4E1146-53)				Matrix: Drinking Water				
Batch: 24E0674								
Lead	9.11	---	0.200	ug/L	1	05/20/24 20:44	EPA 200.8	
19440200-058BF24A (A4E1146-54)				Matrix: Drinking Water				
Batch: 24E0674								
Lead	0.476	---	0.200	ug/L	1	05/20/24 20:49	EPA 200.8	
19440200-059BF24A (A4E1146-55)				Matrix: Drinking Water				
Batch: 24E0674								
Lead	0.393	---	0.200	ug/L	1	05/20/24 20:51	EPA 200.8	
19440200-060DW24A (A4E1146-56)				Matrix: Drinking Water				
Batch: 24E0674								
Lead	0.523	---	0.200	ug/L	1	05/20/24 20:52	EPA 200.8	
19440200-061DW24A (A4E1146-57)				Matrix: Drinking Water				
Batch: 24E0672								
Lead	ND	---	0.200	ug/L	1	05/20/24 20:27	EPA 200.8	
19440200-062BW24A (A4E1146-58)				Matrix: Drinking Water				
Batch: 24E0674								
Lead	ND	---	0.200	ug/L	1	05/20/24 20:54	EPA 200.8	
19440200-063DW24A (A4E1146-59)				Matrix: Drinking Water				
Batch: 24E0674								
Lead	2.06	---	0.200	ug/L	1	05/20/24 20:56	EPA 200.8	
19440200-064CF24A (A4E1146-60)				Matrix: Drinking Water				
Batch: 24E0674								
Lead	3.22	---	0.200	ug/L	1	05/20/24 20:57	EPA 200.8	
19440200-065DW24A (A4E1146-61)				Matrix: Drinking Water				
Batch: 24E0674								
Lead	2.01	---	0.200	ug/L	1	05/20/24 21:03	EPA 200.8	

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Portland, OR 97239

Project: **Scappoose School District**Project Number: **Otto Peterson ES/27742.000**Project Manager: **Nathan Carlson****Report ID:****A4E1146 - 05 31 24 1322**

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
19440200-066CF24A (A4E1146-62)				Matrix: Drinking Water				
Batch: 24E0752								
Lead	3.16	---	0.222	ug/L	1	05/22/24 00:28	EPA 200.8	AMEND, DW-D
19440200-067DW24A (A4E1146-63)				Matrix: Drinking Water				
Batch: 24E0674								
Lead	1.16	---	0.200	ug/L	1	05/20/24 21:04	EPA 200.8	
19440200-068CF24A (A4E1146-64)				Matrix: Drinking Water				
Batch: 24E0752								
Lead	2.56	---	0.222	ug/L	1	05/22/24 00:34	EPA 200.8	AMEND, DW-D
19440200-069DW24A (A4E1146-65)				Matrix: Drinking Water				
Batch: 24E0674								
Lead	1.87	---	0.200	ug/L	1	05/20/24 21:06	EPA 200.8	
19440200-070CF24A (A4E1146-66)				Matrix: Drinking Water				
Batch: 24E0752								
Lead	2.40	---	0.222	ug/L	1	05/22/24 00:40	EPA 200.8	AMEND, DW-D
19440200-071DW24A (A4E1146-67)				Matrix: Drinking Water				
Batch: 24E0674								
Lead	1.37	---	0.200	ug/L	1	05/20/24 21:08	EPA 200.8	
19440200-072CF24A (A4E1146-68)				Matrix: Drinking Water				
Batch: 24E0752								
Lead	3.41	---	0.222	ug/L	1	05/22/24 00:46	EPA 200.8	AMEND, DW-D
19440200-073DW24A (A4E1146-69)				Matrix: Drinking Water				
Batch: 24E0674								
Lead	5.58	---	0.200	ug/L	1	05/20/24 21:09	EPA 200.8	
19440200-074CF24A (A4E1146-70)				Matrix: Drinking Water				
Batch: 24E0674								

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**ANALYTICAL REPORT****AMENDED REPORT****Apex Laboratories, LLC**

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Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
19440200-074CF24A (A4E1146-70)				Matrix: Drinking Water				
Lead	3.19	---	0.200	ug/L	1	05/20/24 21:11	EPA 200.8	
19440200-075DW24A (A4E1146-71)				Matrix: Drinking Water				
Batch: 24E0674								
Lead	15.2	---	0.200	ug/L	1	05/20/24 21:13	EPA 200.8	
19440200-076CF24A (A4E1146-72)				Matrix: Drinking Water				
Batch: 24E0674								
Lead	10.2	---	0.200	ug/L	1	05/20/24 21:15	EPA 200.8	
19440200-077SF24A (A4E1146-73)				Matrix: Drinking Water				
Batch: 24E0674								
Lead	6.95	---	0.200	ug/L	1	05/20/24 21:16	EPA 200.8	
19440200-078DW24A (A4E1146-74)				Matrix: Drinking Water				
Batch: 24E0674								
Lead	15.9	---	0.200	ug/L	1	05/20/24 21:18	EPA 200.8	
19440200-079CF24A (A4E1146-75)				Matrix: Drinking Water				
Batch: 24E0674								
Lead	24.6	---	0.200	ug/L	1	05/20/24 21:23	EPA 200.8	
19440200-080DW24A (A4E1146-76)				Matrix: Drinking Water				
Batch: 24E0674								
Lead	1.87	---	0.200	ug/L	1	05/20/24 21:25	EPA 200.8	
19440200-081CF24A (A4E1146-77)				Matrix: Drinking Water				
Batch: 24E0752								
Lead	5.86	---	0.222	ug/L	1	05/22/24 00:53	EPA 200.8	AMEND, DW-D
19440200-082DW24A (A4E1146-78)				Matrix: Drinking Water				
Batch: 24E0674								
Lead	2.13	---	0.200	ug/L	1	05/20/24 21:26	EPA 200.8	
19440200-083CF24A (A4E1146-79)				Matrix: Drinking Water				

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ANALYTICAL SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
19440200-083CF24A (A4E1146-79)				Matrix: Drinking Water				
Batch: 24E0685								
Lead	5.04	---	0.200	ug/L	1	05/20/24 21:33	EPA 200.8	
19440200-084DW24A (A4E1146-80)				Matrix: Drinking Water				
Batch: 24E0685								
Lead	2.49	---	0.200	ug/L	1	05/20/24 21:38	EPA 200.8	
19440200-085CF24A (A4E1146-81)				Matrix: Drinking Water				
Batch: 24E0685								
Lead	7.00	---	0.200	ug/L	1	05/20/24 21:44	EPA 200.8	
19440200-086DW24A (A4E1146-82)				Matrix: Drinking Water				
Batch: 24E0685								
Lead	4.56	---	0.200	ug/L	1	05/20/24 21:45	EPA 200.8	
19440200-087CF24A (A4E1146-83)				Matrix: Drinking Water				
Batch: 24E0685								
Lead	3.08	---	0.200	ug/L	1	05/20/24 21:47	EPA 200.8	
19440200-089DW24A (A4E1146-85)				Matrix: Drinking Water				
Batch: 24E0685								
Lead	ND	---	0.200	ug/L	1	05/20/24 21:49	EPA 200.8	
19440200-090WB24A (A4E1146-86)				Matrix: Drinking Water				
Batch: 24E0685								
Lead	ND	---	0.200	ug/L	1	05/20/24 21:51	EPA 200.8	
19440200-091BF24A (A4E1146-87)				Matrix: Drinking Water				
Batch: 24E0685								
Lead	0.825	---	0.200	ug/L	1	05/20/24 21:52	EPA 200.8	
19440200-092DW24A (A4E1146-88)				Matrix: Drinking Water				
Batch: 24E0685								
Lead	1.80	---	0.200	ug/L	1	05/20/24 21:54	EPA 200.8	

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ANALYTICAL SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
19440200-093CF24A (A4E1146-89)				Matrix: Drinking Water				
Batch: 24E0685								
Lead	4.15	---	0.200	ug/L	1	05/20/24 21:56	EPA 200.8	
19440200-094DW24A (A4E1146-90)				Matrix: Drinking Water				
Batch: 24E0685								
Lead	14.8	---	0.200	ug/L	1	05/20/24 21:57	EPA 200.8	
19440200-095CF24A (A4E1146-91)				Matrix: Drinking Water				
Batch: 24E0685								
Lead	5.22	---	0.200	ug/L	1	05/20/24 21:59	EPA 200.8	
19440200-096DW24A (A4E1146-92)				Matrix: Drinking Water				
Batch: 24E0685								
Lead	0.843	---	0.200	ug/L	1	05/20/24 22:04	EPA 200.8	
19440200-097CF24A (A4E1146-93)				Matrix: Drinking Water				
Batch: 24E0685								
Lead	9.16	---	0.200	ug/L	1	05/20/24 22:06	EPA 200.8	

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Project: **Scappoose School District**Project Number: **Otto Peterson ES/27742.000**Project Manager: **Nathan Carlson****Report ID:****A4E1146 - 05 31 24 1322**

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 24E0659 - EPA 200.8 Direct Analysis							Drinking Water					
Blank (24E0659-BLK1)		Prepared: 05/17/24 14:08			Analyzed: 05/17/24 17:30							
<u>EPA 200.8</u>												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (24E0659-BS1)		Prepared: 05/17/24 14:08			Analyzed: 05/17/24 17:31							
<u>EPA 200.8</u>												
Lead	15.1	---	0.201	ug/L	1	15.0	---	101	85 - 115%	---	---	
Duplicate (24E0659-DUP1)		Prepared: 05/17/24 14:08			Analyzed: 05/17/24 17:35							
<u>QC Source Sample: 19440200-001KF24A (A4E1146-01)</u>												
<u>EPA 200.8</u>												
Lead	17.5	---	0.200	ug/L	1	---	17.4	---	---	0.3	20%	
Matrix Spike (24E0659-MS1)		Prepared: 05/17/24 14:08			Analyzed: 05/17/24 17:37							
<u>QC Source Sample: 19440200-001KF24A (A4E1146-01)</u>												
<u>EPA 200.8</u>												
Lead	31.4	---	0.201	ug/L	1	15.0	17.4	93	70 - 130%	---	---	
Matrix Spike (24E0659-MS2)		Prepared: 05/17/24 14:08			Analyzed: 05/17/24 18:18							
<u>QC Source Sample: 19440200-034DW24A (A4E1146-32)</u>												
<u>EPA 200.8</u>												
Lead	17.4	---	0.201	ug/L	1	15.0	3.31	94	70 - 130%	---	---	
Batch 24E0672 - EPA 200.8 Direct Analysis							Drinking Water					
Blank (24E0672-BLK1)		Prepared: 05/20/24 07:49			Analyzed: 05/20/24 19:41							
<u>EPA 200.8</u>												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (24E0672-BS1)		Prepared: 05/20/24 07:49			Analyzed: 05/20/24 19:43							
<u>EPA 200.8</u>												
Lead	14.9	---	0.201	ug/L	1	15.0	---	99	85 - 115%	---	---	
Duplicate (24E0672-DUP1)		Prepared: 05/20/24 07:49			Analyzed: 05/20/24 19:46							
<u>QC Source Sample: 19440200-035CF24A (A4E1146-33)</u>												

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ANALYTICAL REPORT

AMENDED 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: **Scappoose School District**Project Number: **Otto Peterson ES/27742.000**Project Manager: **Nathan Carlson****Report ID:****A4E1146 - 05 31 24 1322**

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 24E0672 - EPA 200.8 Direct Analysis							Drinking Water					
Duplicate (24E0672-DUP1)		Prepared: 05/20/24 07:49 Analyzed: 05/20/24 19:46										
QC Source Sample: 19440200-035CF24A (A4E1146-33)												
EPA 200.8												
Lead	6.26	---	0.200	ug/L	1	---	6.32	---	---	1	20%	
Matrix Spike (24E0672-MS1)		Prepared: 05/20/24 07:49 Analyzed: 05/20/24 19:48										
QC Source Sample: 19440200-035CF24A (A4E1146-33)												
EPA 200.8												
Lead	20.6	---	0.201	ug/L	1	15.0	6.32	95	70 - 130%	---	---	
Matrix Spike (24E0672-MS2)		Prepared: 05/20/24 07:49 Analyzed: 05/20/24 20:29										
QC Source Sample: 19440200-061DW24A (A4E1146-57)												
EPA 200.8												
Lead	14.9	---	0.201	ug/L	1	15.0	ND	99	70 - 130%	---	---	

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QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24E0674 - EPA 200.8 Direct Analysis							Drinking Water					
Blank (24E0674-BLK1)		Prepared: 05/20/24 08:40			Analyzed: 05/20/24 20:37							
<u>EPA 200.8</u>												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (24E0674-BS1)		Prepared: 05/20/24 08:40			Analyzed: 05/20/24 20:42							
<u>EPA 200.8</u>												
Lead	14.9	---	0.201	ug/L	1	15.0	---	99	85 - 115%	---	---	
Duplicate (24E0674-DUP1)		Prepared: 05/20/24 08:40			Analyzed: 05/20/24 20:46							
<u>QC Source Sample: 19440200-057CF24A (A4E1146-53)</u>												
<u>EPA 200.8</u>												
Lead	9.17	---	0.200	ug/L	1	---	9.11	---	---	0.6	20%	
Matrix Spike (24E0674-MS1)		Prepared: 05/20/24 08:40			Analyzed: 05/20/24 20:47							
<u>QC Source Sample: 19440200-057CF24A (A4E1146-53)</u>												
<u>EPA 200.8</u>												
Lead	23.5	---	0.201	ug/L	1	15.0	9.11	96	70 - 130%	---	---	
Matrix Spike (24E0674-MS2)		Prepared: 05/20/24 08:40			Analyzed: 05/20/24 21:28							
<u>QC Source Sample: 19440200-082DW24A (A4E1146-78)</u>												
<u>EPA 200.8</u>												
Lead	16.6	---	0.201	ug/L	1	15.0	2.13	96	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 24E0685 - EPA 200.8 Direct Analysis							Drinking Water					
Blank (24E0685-BLK1)		Prepared: 05/20/24 10:32 Analyzed: 05/20/24 21:30										
EPA 200.8												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (24E0685-BS1)		Prepared: 05/20/24 10:32 Analyzed: 05/20/24 21:32										
EPA 200.8												
Lead	14.9	---	0.201	ug/L	1	15.0	---	100	85 - 115%	---	---	
Duplicate (24E0685-DUP1)		Prepared: 05/20/24 10:32 Analyzed: 05/20/24 21:35										
QC Source Sample: 19440200-083CF24A (A4E1146-79)												
EPA 200.8												
Lead	5.02	---	0.200	ug/L	1	---	5.04	---	---	0.4	20%	
Matrix Spike (24E0685-MS1)		Prepared: 05/20/24 10:32 Analyzed: 05/20/24 21:37										
QC Source Sample: 19440200-083CF24A (A4E1146-79)												
EPA 200.8												
Lead	19.3	---	0.201	ug/L	1	15.0	5.04	95	70 - 130%	---	---	

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4412 S Corbett Ave

Portland, OR 97239

Project: **Scappoose School District**Project Number: **Otto Peterson ES/27742.000**Project Manager: **Nathan Carlson****Report ID:****A4E1146 - 05 31 24 1322**

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 24E0752 - EPA 200.2						Drinking Water						
Blank (24E0752-BLK1)		Prepared: 05/21/24 12:41 Analyzed: 05/21/24 22:09										
EPA 200.8												
Lead	ND	---	0.222	ug/L	1	---	---	---	---	---	---	AMEND
LCS (24E0752-BS1)		Prepared: 05/21/24 12:41 Analyzed: 05/21/24 22:16										
EPA 200.8												
Lead	16.6	---	0.222	ug/L	1	16.7	---	100	85 - 115%	---	---	AMEND
Duplicate (24E0752-DUP1)		Prepared: 05/21/24 12:41 Analyzed: 05/21/24 22:28										
QC Source Sample: 19440200-002KF24A (A4E1146-02)												
EPA 200.8												
Lead	23.2	---	0.222	ug/L	1	---	23.3	---	---	0.4	20%	AMEND, DW-D
Matrix Spike (24E0752-MS1)		Prepared: 05/21/24 12:41 Analyzed: 05/21/24 22:41										
QC Source Sample: 19440200-003KF24A (A4E1146-03)												
EPA 200.8												
Lead	28.4	---	0.222	ug/L	1	16.7	14.4	85	70 - 130%	---	---	AMEND, DW-D
Matrix Spike (24E0752-MS2)		Prepared: 05/21/24 12:41 Analyzed: 05/21/24 22:53										
QC Source Sample: 19440200-004KF24A (A4E1146-04)												
EPA 200.8												
Lead	27.6	---	0.222	ug/L	1	16.7	11.3	98	70 - 130%	---	---	AMEND, DW-D

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**ANALYTICAL REPORT****AMENDED 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: **Scappoose School District**Project Number: **Otto Peterson ES/27742.000**Project Manager: **Nathan Carlson****Report ID:****A4E1146 - 05 31 24 1322****SAMPLE PREPARATION INFORMATION****Total Metals in Drinking Water by EPA 200.8 (ICPMS)****Prep: EPA 200.2**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 24E0752</u>							
A4E1146-02	Drinking Water	EPA 200.8	05/01/24 00:00	05/21/24 12:41	45mL/50mL	10mL/10mL	1.11
A4E1146-03	Drinking Water	EPA 200.8	05/01/24 00:00	05/21/24 12:41	45mL/50mL	10mL/10mL	1.11
A4E1146-04	Drinking Water	EPA 200.8	05/01/24 00:00	05/21/24 12:41	45mL/50mL	10mL/10mL	1.11
A4E1146-07	Drinking Water	EPA 200.8	05/01/24 00:00	05/21/24 12:41	45mL/50mL	10mL/10mL	1.11
A4E1146-08	Drinking Water	EPA 200.8	05/01/24 00:00	05/21/24 12:41	45mL/50mL	10mL/10mL	1.11
A4E1146-10	Drinking Water	EPA 200.8	05/01/24 00:00	05/21/24 12:41	45mL/50mL	10mL/10mL	1.11
A4E1146-11	Drinking Water	EPA 200.8	05/01/24 00:00	05/21/24 12:41	45mL/50mL	10mL/10mL	1.11
A4E1146-12	Drinking Water	EPA 200.8	05/01/24 00:00	05/21/24 12:41	45mL/50mL	10mL/10mL	1.11
A4E1146-20	Drinking Water	EPA 200.8	05/01/24 00:00	05/21/24 12:41	45mL/50mL	10mL/10mL	1.11
A4E1146-25	Drinking Water	EPA 200.8	05/01/24 00:00	05/21/24 12:41	45mL/50mL	10mL/10mL	1.11
A4E1146-29	Drinking Water	EPA 200.8	05/01/24 00:00	05/21/24 12:41	45mL/50mL	10mL/10mL	1.11
A4E1146-31	Drinking Water	EPA 200.8	05/01/24 00:00	05/21/24 12:41	45mL/50mL	10mL/10mL	1.11
A4E1146-43	Drinking Water	EPA 200.8	05/01/24 00:00	05/21/24 12:41	45mL/50mL	10mL/10mL	1.11
A4E1146-62	Drinking Water	EPA 200.8	05/01/24 00:00	05/21/24 12:41	45mL/50mL	10mL/10mL	1.11
A4E1146-64	Drinking Water	EPA 200.8	05/01/24 00:00	05/21/24 12:41	45mL/50mL	10mL/10mL	1.11
A4E1146-66	Drinking Water	EPA 200.8	05/01/24 00:00	05/21/24 12:41	45mL/50mL	10mL/10mL	1.11
A4E1146-68	Drinking Water	EPA 200.8	05/01/24 00:00	05/21/24 12:41	45mL/50mL	10mL/10mL	1.11
A4E1146-77	Drinking Water	EPA 200.8	05/01/24 00:00	05/21/24 12:41	45mL/50mL	10mL/10mL	1.11

Prep: EPA 200.8 Direct Analysis

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 24E0659</u>							
A4E1146-01	Drinking Water	EPA 200.8	05/01/24 00:00	05/17/24 14:08	10mL/10mL	10mL/10mL	1.00
A4E1146-05	Drinking Water	EPA 200.8	05/01/24 00:00	05/17/24 14:08	10mL/10mL	10mL/10mL	1.00
A4E1146-06	Drinking Water	EPA 200.8	05/01/24 00:00	05/17/24 14:08	10mL/10mL	10mL/10mL	1.00
A4E1146-09	Drinking Water	EPA 200.8	05/01/24 00:00	05/17/24 14:08	10mL/10mL	10mL/10mL	1.00
A4E1146-13	Drinking Water	EPA 200.8	05/01/24 00:00	05/17/24 14:08	10mL/10mL	10mL/10mL	1.00
A4E1146-14	Drinking Water	EPA 200.8	05/01/24 00:00	05/17/24 14:08	10mL/10mL	10mL/10mL	1.00
A4E1146-15	Drinking Water	EPA 200.8	05/01/24 00:00	05/17/24 14:08	10mL/10mL	10mL/10mL	1.00
A4E1146-16	Drinking Water	EPA 200.8	05/01/24 00:00	05/17/24 14:08	10mL/10mL	10mL/10mL	1.00
A4E1146-17	Drinking Water	EPA 200.8	05/01/24 00:00	05/17/24 14:08	10mL/10mL	10mL/10mL	1.00
A4E1146-18	Drinking Water	EPA 200.8	05/01/24 00:00	05/17/24 14:08	10mL/10mL	10mL/10mL	1.00
A4E1146-19	Drinking Water	EPA 200.8	05/01/24 00:00	05/17/24 14:08	10mL/10mL	10mL/10mL	1.00
A4E1146-21	Drinking Water	EPA 200.8	05/01/24 00:00	05/17/24 14:08	10mL/10mL	10mL/10mL	1.00
A4E1146-22	Drinking Water	EPA 200.8	05/01/24 00:00	05/17/24 14:08	10mL/10mL	10mL/10mL	1.00
A4E1146-23	Drinking Water	EPA 200.8	05/01/24 00:00	05/17/24 14:08	10mL/10mL	10mL/10mL	1.00

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Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A4E1146-24	Drinking Water	EPA 200.8	05/01/24 00:00	05/17/24 14:08	10mL/10mL	10mL/10mL	1.00
A4E1146-26	Drinking Water	EPA 200.8	05/01/24 00:00	05/17/24 14:08	10mL/10mL	10mL/10mL	1.00
A4E1146-27	Drinking Water	EPA 200.8	05/01/24 00:00	05/17/24 14:08	10mL/10mL	10mL/10mL	1.00
A4E1146-28	Drinking Water	EPA 200.8	05/01/24 00:00	05/17/24 14:08	10mL/10mL	10mL/10mL	1.00
A4E1146-30	Drinking Water	EPA 200.8	05/01/24 00:00	05/17/24 14:08	10mL/10mL	10mL/10mL	1.00
A4E1146-32	Drinking Water	EPA 200.8	05/01/24 00:00	05/17/24 14:08	10mL/10mL	10mL/10mL	1.00
<u>Batch: 24E0672</u>							
A4E1146-33	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 07:49	10mL/10mL	10mL/10mL	1.00
A4E1146-34	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 07:49	10mL/10mL	10mL/10mL	1.00
A4E1146-35	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 07:49	10mL/10mL	10mL/10mL	1.00
A4E1146-36	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 07:49	10mL/10mL	10mL/10mL	1.00
A4E1146-37	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 07:49	10mL/10mL	10mL/10mL	1.00
A4E1146-38	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 07:49	10mL/10mL	10mL/10mL	1.00
A4E1146-39	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 07:49	10mL/10mL	10mL/10mL	1.00
A4E1146-40	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 07:49	10mL/10mL	10mL/10mL	1.00
A4E1146-41	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 07:49	10mL/10mL	10mL/10mL	1.00
A4E1146-42	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 07:49	10mL/10mL	10mL/10mL	1.00
A4E1146-44	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 07:49	10mL/10mL	10mL/10mL	1.00
A4E1146-45	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 07:49	10mL/10mL	10mL/10mL	1.00
A4E1146-46	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 07:49	10mL/10mL	10mL/10mL	1.00
A4E1146-47	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 07:49	10mL/10mL	10mL/10mL	1.00
A4E1146-48	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 07:49	10mL/10mL	10mL/10mL	1.00
A4E1146-49	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 07:49	10mL/10mL	10mL/10mL	1.00
A4E1146-50	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 07:49	10mL/10mL	10mL/10mL	1.00
A4E1146-51	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 07:49	10mL/10mL	10mL/10mL	1.00
A4E1146-52	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 07:49	10mL/10mL	10mL/10mL	1.00
A4E1146-57	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 07:49	10mL/10mL	10mL/10mL	1.00
<u>Batch: 24E0674</u>							
A4E1146-53	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 08:40	10mL/10mL	10mL/10mL	1.00
A4E1146-54	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 08:40	10mL/10mL	10mL/10mL	1.00
A4E1146-55	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 08:40	10mL/10mL	10mL/10mL	1.00
A4E1146-56	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 08:40	10mL/10mL	10mL/10mL	1.00
A4E1146-58	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 08:40	10mL/10mL	10mL/10mL	1.00
A4E1146-59	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 08:40	10mL/10mL	10mL/10mL	1.00
A4E1146-60	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 08:40	10mL/10mL	10mL/10mL	1.00
A4E1146-61	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 08:40	10mL/10mL	10mL/10mL	1.00

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Jason Woodcock, Project Manager

**ANALYTICAL REPORT****AMENDED 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: **Scappoose School District**Project Number: **Otto Peterson ES/27742.000**Project Manager: **Nathan Carlson****Report ID:****A4E1146 - 05 31 24 1322****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
A4E1146-63	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 08:40	10mL/10mL	10mL/10mL	1.00
A4E1146-65	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 08:40	10mL/10mL	10mL/10mL	1.00
A4E1146-67	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 08:40	10mL/10mL	10mL/10mL	1.00
A4E1146-69	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 08:40	10mL/10mL	10mL/10mL	1.00
A4E1146-70	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 08:40	10mL/10mL	10mL/10mL	1.00
A4E1146-71	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 08:40	10mL/10mL	10mL/10mL	1.00
A4E1146-72	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 08:40	10mL/10mL	10mL/10mL	1.00
A4E1146-73	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 08:40	10mL/10mL	10mL/10mL	1.00
A4E1146-74	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 08:40	10mL/10mL	10mL/10mL	1.00
A4E1146-75	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 08:40	10mL/10mL	10mL/10mL	1.00
A4E1146-76	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 08:40	10mL/10mL	10mL/10mL	1.00
A4E1146-78	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 08:40	10mL/10mL	10mL/10mL	1.00
<u>Batch: 24E0685</u>							
A4E1146-79	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 10:32	10mL/10mL	10mL/10mL	1.00
A4E1146-80	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 10:32	10mL/10mL	10mL/10mL	1.00
A4E1146-81	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 10:32	10mL/10mL	10mL/10mL	1.00
A4E1146-82	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 10:32	10mL/10mL	10mL/10mL	1.00
A4E1146-83	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 10:32	10mL/10mL	10mL/10mL	1.00
A4E1146-85	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 10:32	10mL/10mL	10mL/10mL	1.00
A4E1146-86	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 10:32	10mL/10mL	10mL/10mL	1.00
A4E1146-87	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 10:32	10mL/10mL	10mL/10mL	1.00
A4E1146-88	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 10:32	10mL/10mL	10mL/10mL	1.00
A4E1146-89	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 10:32	10mL/10mL	10mL/10mL	1.00
A4E1146-90	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 10:32	10mL/10mL	10mL/10mL	1.00
A4E1146-91	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 10:32	10mL/10mL	10mL/10mL	1.00
A4E1146-92	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 10:32	10mL/10mL	10mL/10mL	1.00
A4E1146-93	Drinking Water	EPA 200.8	05/01/24 00:00	05/20/24 10:32	10mL/10mL	10mL/10mL	1.00

Apex Laboratories

Jason Woodcock, Project Manager

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ANALYTICAL REPORT

AMENDED 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: Scappoose School District

Project Number: **Otto Peterson ES/27742.000**

Project Manager: **Nathan Carlson**

Report ID:

A4E1146 - 05 31 24 1322

QUALIFIER DEFINITIONS

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

Apex Laboratories

- AMEND** The Result, Reporting Level, Recovery and/or RPD has changed. Note: Batch QC marked as AMENDED may or may not have been issued prior to the change. Case Narrative included if client data is affected.
- DW-D** Turbidity greater than 1 NTU. Sample was digested per EPA Method 200.8.

Apex Laboratories

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Jason Woodcock, Project Manager

**ANALYTICAL REPORT****AMENDED 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: **Scappoose School District**Project Number: **Otto Peterson ES/27742.000**Project Manager: **Nathan Carlson****Report ID:****A4E1146 - 05 31 24 1322****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

AMENDED 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: **Scappoose School District**

Project Number: **Otto Peterson ES/27742.000**

Project Manager: **Nathan Carlson**

Report ID:

A4E1146 - 05 31 24 1322

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.

Apex Laboratories

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Jason Woodcock, Project Manager

**ANALYTICAL REPORT****AMENDED 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: **Scappoose School District**Project Number: **Otto Peterson ES/27742.000**Project Manager: **Nathan Carlson****Report ID:****A4E1146 - 05 31 24 1322****LABORATORY ACCREDITATION INFORMATION****ORELAP Certification ID: OR100062 (Primary Accreditation)****EPA ID: OR01039**

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

Apex Laboratories

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

Secondary Accreditations

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

Subcontract Laboratory Accreditations

Subcontracted data falls outside of Apex Laboratories' Scope of Accreditation.

Please see the Subcontract Laboratory report for full details, or contact your Project Manager for more information.

Field Testing Parameters

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

Apex Laboratories

Jason Woodcock, Project Manager

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ANALYTICAL REPORT

AMENDED REPORT

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Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

PBS Engineering and Environmental

4412 S Corbett Ave

Portland, OR 97239

Project: Scappoose School District

Project Number: Otto Peterson ES/27742.000

Project Manager: Nathan Carlson

Report ID:

A4E1146 - 05 31 24 1322

Lead in Drinking Water Testing Program

Date Collected: 05/01/2024

PBS Project: 27740.000

School Name: Otto Peterson Elementary School

Building: Main Building

Building Number: 19440200

Analysis Requested: Lead (Pb) in Drinking Water

Email Results To: John July
taylor.cook@pbsusa.com; nathan.carlson@pbsusa.com

Turnaround Time: 10-day

	Fixture Number	Sample Number	Room / Location
1	001	19440200-001KF24A	Kitchen, central area, SE, right hot pot faucet
2	002	19440200-002KF24A	Kitchen, central area, SW, left hot pot faucet
3	003	19440200-003KF24A	Kitchen, central area, W, food prep faucet
4	004	19440200-004KF24A	Kitchen, central area, NW, food prep faucet
5	005	19440200-005KF24A	Kitchen, central area, NE, food prep faucet
6	006	19440200-006KF24A	Kitchen, central area, NE, food prep faucet
7	007	19440200-007KF24A	Kitchen, E dividing wall, West wall mount sinks
8	008	19440200-008KF24A	Kitchen, E wall, food prep faucet
9	009	19440200-009KF24A	Kitchen, E wall, food prep faucet, nozzle
10	010	19440200-010KF24A	Kitchen, E dividing wall, left food prep faucet
11	011	19440200-011KF24A	Kitchen, E dividing wall, right food prep faucet
12	012	19440200-012KF24A	Kitchen, E dividing wall, East wall mount sinks
13	013	19440200-013BF24A	Kitchen, north (students) restroom
14	014	19440200-014BF24A	Kitchen, south (adults) restroom
15	015	19440200-015DW24A	Outside of kitchen south entrance, drinking fountain
16	016	19440200-016DW24A	Outside of room 109, right drinking fountain
17	017	19440200-017WB24A	Outside of room 109, bottle filler
18	018	19440200-018DW24A	Outside of room 109, left drinking fountain *Out of order, NO SAMPLE SUBMITTED.
19	019	19440200-019BF24A	Room 109, restroom faucet
20	020	19440200-020DW24A	Classroom 101, drinking fountain

1 of 4

Apex Laboratories

Jason Woodcock, Project Manager

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**ANALYTICAL REPORT****AMENDED 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: **Scappoose School District**Project Number: **Otto Peterson ES/27742.000**Project Manager: **Nathan Carlson****Report ID:****A4E1146 - 05 31 24 1322****Lead in Drinking Water Testing Program**Date Collected: 05/01/2024PBS Project: 27742.000School Name: Otto Peterson Elementary SchoolBuilding: Main BuildingBuilding Number: 19440200Analysis Requested: Lead (Pb) in Drinking WaterEmail Results To: taylor.cook@pbsusa.com; nathan.carlson@pbsusa.comTurnaround Time: 10-day

	Fixture Number	Sample Number	Room / Location
1	001	19440200-001KF24A	Kitchen, central area, SE, right hot pot faucet
2	002	19440200-002KF24A	Kitchen, central area, SW, left hot pot faucet
3	003	19440200-003KF24A	Kitchen, central area, W, food prep faucet
4	004	19440200-004KF24A	Kitchen, central area, NW, food prep faucet
5	005	19440200-005KF24A	Kitchen, central area, NE, food prep faucet
6	006	19440200-006KF24A	Kitchen, central area, NE, food prep faucet
7	007	19440200-007KF24A	Kitchen, E dividing wall, West wall mount sinks
8	008	19440200-008KF24A	Kitchen, E wall, food prep faucet
9	009	19440200-009KF24A	Kitchen, E wall, food prep faucet, nozzle
10	010	19440200-010KF24A	Kitchen, E dividing wall, left food prep faucet
11	011	19440200-011KF24A	Kitchen, E dividing wall, right food prep faucet
12	012	19440200-012KF24A	Kitchen, E dividing wall, East wall mount sinks
13	013	19440200-013BF24A	Kitchen, north (students) restroom
14	014	19440200-014BF24A	Kitchen, south (adults) restroom
15	015	19440200-015DW24A	Outside of kitchen south entrance, drinking fountain
16	016	19440200-016DW24A	Outside of room 109, right drinking fountain
17	017	19440200-017WB24A	Outside of room 109, bottle filler
18	018	19440200-018DW24A	Outside of room 109, left drinking fountain *Out of order, NO SAMPLE SUBMITTED.
19	019	19440200-019BF24A	Room 109, restroom faucet
20	020	19440200-020DW24A	Classroom 101, drinking fountain

1 of 4

Apex Laboratories

Jason Woodcock, Project Manager

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ANALYTICAL REPORT

AMENDED REPORT

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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: Scappoose School District

Project Number: Otto Peterson ES/27742.000

Project Manager: Nathan Carlson

Report ID:

A4E1146 - 05 31 24 1322

Lead in Drinking Water Testing Program

A4E1146
Scappoose School District

Date Collected: 05/01/2024

School Name: Otto Peterson Elementary School

	Fixture Number	Sample Number	Room / Location
21	021	19440200-021CF24A	Classroom 101, classroom faucet
22	022	19440200-022DW24A	Classroom 102, drinking fountain *Out of order. NO SAMPLE SUBMITTED.
23	023	19440200-023CF24A	Classroom 102, classroom faucet
24	024	19440200-024DW24A	Classroom 103, drinking fountain
25	025	19440200-025CF24A	Classroom 103, classroom faucet
26	026	19440200-026DW24A	Classroom 104, drinking fountain
27	027	19440200-027CF24A	Classroom 104, classroom faucet
28	028	19440200-028DW24A	Outside of classroom 105 in hallway, drinking fountain
29	029	19440200-029CF24A	Outside of classroom 105 in hallway, classroom faucet
30	030	19440200-030DW24A	Classroom 105, drinking fountain
31	031	19440200-031CF24A	Classroom 105, classroom faucet
32	032	19440200-032DW24A	Classroom 106, drinking fountain
33	033	19440200-033CF24A	Classroom 106, classroom faucet
34	034	19440200-034DW24A	Classroom 107, drinking fountain
35	035	19440200-035CF24A	Classroom 107, classroom faucet
36	036	19440200-036DW24A	Classroom 113, drinking fountain
37	037	19440200-037CF24A	Classroom 113, classroom faucet
38	038	19440200-038SF24A	Main office
39	039	19440200-039BF24A	Outside of main office, restroom faucet
40	040	19440200-040NS24A	Room 156, nurse office
41	041	19440200-041BF24A	Room 156, nurse office's restroom faucet
42	042	19440200-042SF24A	Room 170, staff break room, sink faucet
43	043	19440200-043IM24A	Room 170, staff break room, ice machine
44	044	19440200-044DW24A	Classroom 169, drinking fountain
45	045	19440200-045CF24A	Classroom 169, classroom faucet
46	046	19440200-046DW24A	Classroom 161, drinking fountain
47	047	19440200-047CF24A	Classroom 161, classroom faucet
48	048	19440200-048CF24A	Classroom 162, classroom faucet
49	049	19440200-049BF24A	Restroom in classroom 162, restroom faucet
50	050	19440200-050DW24A	Outside of classroom 169, left drinking fountain
			*Out of order. NO SAMPLE SUBMITTED.



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Apex Laboratories

Jason Woodcock, Project Manager

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ANALYTICAL REPORT

AMENDED 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: **Scappoose School District**Project Number: **Otto Peterson ES/27742.000**Project Manager: **Nathan Carlson****Report ID:****A4E1146 - 05 31 24 1322**

Lead in Drinking Water Testing Program

Scappoose School District

Date Collected: 05/01/2024School Name: Otto Peterson Elementary School

	Fixture Number	Sample Number	Room / Location
51	051	19440200-051DW24A	Outside of classroom 169, right drinking fountain
52	052	19440200-052DW24A	Classroom 168, drinking fountain
53	053	19440200-053CF24A	Classroom 168, classroom faucet
54	054	19440200-054DW24A	Nurse room 167, drinking fountain
55	055	19440200-055NS24A	Nurse room 167, sink faucet
56	056	19440200-056DW24A	Classroom 165, drinking fountain *Out of order, NO SAMPLE SUBMITTED.
57	057	19440200-057CF24A	Classroom 165, classroom faucet
58	058	19440200-058BF24A	Restroom outside of classroom 165, restroom faucet
59	059	19440200-059BF24A	Room 209, restroom faucet
60	060	19440200-060DW24A	Outside of room 209, left drinking fountain
61	061	19440200-061DW24A	Outside of room 209, right drinking fountain
62	062	19440200-062BW24A	Outside of room 209, bottle filler
63	063	19440200-063DW24A	Classroom 201, drinking fountain
64	064	19440200-064CF24A	Classroom 201, classroom faucet
65	065	19440200-065DW24A	Classroom 202, drinking fountain
66	066	19440200-066CF24A	Classroom 202, classroom faucet
67	067	19440200-067DW24A	Classroom 203, drinking fountain
68	068	19440200-068CF24A	Classroom 203, classroom faucet
69	069	19440200-069DW24A	Classroom 204, drinking fountain
70	070	19440200-070CF24A	Classroom 204, classroom faucet
71	071	19440200-061DW24A	Classroom 205, drinking fountain
72	072	19440200-072CF24A	Classroom 205, classroom faucet
73	073	19440200-063DW24A	Classroom 206, drinking fountain
74	074	19440200-074CF24A	Classroom 206, classroom faucet
75	075	19440200-065DW24A	Classroom 207, drinking fountain
76	076	19440200-076CF24A	Classroom 207, classroom faucet
77	077	19440200-077SF24A	Room 217, library work room, staff sink faucet
78	078	19440200-078DW24A	Classroom 221, drinking fountain
79	079	19440200-079CF24A	Classroom 221, classroom faucet
80	080	19440200-080DW24A	Classroom 222, drinking fountain



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Apex Laboratories

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Jason Woodcock, Project Manager

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ANALYTICAL REPORT

AMENDED 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: Scappoose School District

Project Number: Otto Peterson ES/27742.000

Project Manager: Nathan Carlson

Report ID:

A4E1146 - 05 31 24 1322

Lead in Drinking Water Testing Program

Scappoose School District

Date Collected: 05/ 01 /2024

School Name: Otto Peterson Elementary School

	Fixture Number	Sample Number	Room / Location
51	051	19440200-051DW24A	Outside of classroom 169, right drinking fountain
52	052	19440200-052DW24A	Classroom 168, drinking fountain
53	053	19440200-053CF24A	Classroom 168, classroom faucet
54	054	19440200-054DW24A	Nurse room 167, drinking fountain
55	055	19440200-055NS24A	Nurse room 167, sink faucet
56	056	19440200-056DW24A	Classroom 165, drinking fountain *Out of order, NO SAMPLE SUBMITTED.
57	057	19440200-057CF24A	Classroom 165, classroom faucet
58	058	19440200-058BF24A	Restroom outside of classroom 165, restroom faucet
59	059	19440200-059BF24A	Room 209, restroom faucet
60	060	19440200-060DW24A	Outside of room 209, left drinking fountain
61	061	19440200-061DW24A	Outside of room 209, right drinking fountain
62	062	19440200-062BW24A	Outside of room 209, bottle filler
63	063	19440200-063DW24A	Classroom 201, drinking fountain
64	064	19440200-064CF24A	Classroom 201, classroom faucet
65	065	19440200-065DW24A	Classroom 202, drinking fountain
66	066	19440200-066CF24A	Classroom 202, classroom faucet
67	067	19440200-067DW24A	Classroom 203, drinking fountain
68	068	19440200-068CF24A	Classroom 203, classroom faucet
69	069	19440200-069DW24A	Classroom 204, drinking fountain
70	070	19440200-070CF24A	Classroom 204, classroom faucet
71	071	19440200-071DW24A	Classroom 205, drinking fountain
72	072	19440200-072CF24A	Classroom 205, classroom faucet
73	073	19440200-073DW24A	Classroom 206, drinking fountain
74	074	19440200-074CF24A	Classroom 206, classroom faucet
75	075	19440200-075DW24A	Classroom 207, drinking fountain
76	076	19440200-076CF24A	Classroom 207, classroom faucet
77	077	19440200-077SF24A	Room 217, library work room, staff sink faucet
78	078	19440200-078DW24A	Classroom 221, drinking fountain
79	079	19440200-079CF24A	Classroom 221, classroom faucet
80	080	19440200-080DW24A	Classroom 222, drinking fountain



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Jason Woodcock, Project Manager

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ANALYTICAL REPORT

AMENDED 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: **Scappoose School District**Project Number: **Otto Peterson ES/27742.000**Project Manager: **Nathan Carlson****Report ID:****A4E1146 - 05 31 24 1322**

Lead in Drinking Water Testing Program

Scappoose School District

Date Collected: 05/01/2024School Name: Otto Peterson Elementary School

	Fixture Number	Sample Number	Room / Location
81	081	19440200-081CF24A	Classroom 222, classroom faucet
82	082	19440200-082DW24A	Classroom 223, drinking fountain
83	083	19440200-083CF24A	Classroom 223, classroom faucet
84	084	19440200-084DW24A	Classroom 224, drinking fountain
85	085	19440200-085CF24A	Classroom 224, classroom faucet
86	086	19440200-086DW24A	Outside of room 228 in hallway, drinking fountain
87	087	19440200-087CF24A	Outside of room 228 in hallway, sink faucet
88	088	19440200-088DW24A	In hallway outside 229, left drinking fountain
89	089	19440200-089DW24A	In hallway outside 229, right drinking fountain
90	090	19440200-090WB24A	In hallway outside 229, bottle filler
91	091	19440200-091BF24A	Staff restroom outside of classroom 225, restroom faucet
92	092	19440200-092DW24A	Classroom 225, drinking fountain
93	093	19440200-093CF24A	Classroom 225, classroom faucet
94	094	19440200-094DW24A	Classroom 226, drinking fountain
95	095	19440200-095CF24A	Classroom 226, classroom faucet
96	096	19440200-096DW24A	Classroom 227, drinking fountain
97	097	19440200-097CF24A	Classroom 227, classroom faucet

Relinquished By/Signature

Received By/Signature:

Date/Time:

Date/Time:



4 of 4

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Jason Woodcock, Project Manager

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ANALYTICAL REPORT

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PBS Engineering and Environmental

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Project: **Scappoose School District**

Project Number: **Otto Peterson ES/27742.000**

Project Manager: **Nathan Carlson**

Report ID:

A4E1146 - 05 31 24 1322

COC/Container Discrepancies	
COC Reads	Container Reads/Comments
19440200-033EF24A <small>VOLUME 1 - 033EF24A 5/10 DW = 61W</small>	033DW
19440200-032CF24A <small>DW = 61W</small>	032CF
19440200-062WB24A <small>BW 273 5/10 WB 24A</small>	062WB
19440200-061DW24A listed twice	071DW
19440200-063DW24A listed twice	073DW
19440200-065DW24A listed twice	075DW
Missing sample 088DW24A <small>AAC for KPS 51012M</small>	Listed on COE, but no sample provided <small>AAC for KPS 51012M</small>
All samples missing Prefix and Suffix →	→ AAC for KPS 51012M

Form Y-004 R-00

Apex Laboratories

For the

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503-718-2323

ORELAP ID: OR100062

PBS Engineering and Environmental

4412 S Corbett Ave

Portland, OR 97239

Project: **Scappoose School District**Project Number: **Otto Peterson ES/27742.000**Project Manager: **Nathan Carlson****Report ID:****A4E1146 - 05 31 24 1322****APEX LABS COOLER RECEIPT FORM**Client: PBS Element WO#: A4 E1146Project/Project #: Otto Peterson Elementary School / 27740.000**Delivery Info:**Date/time received: 5/7/24 @ 12:50 By: ASJDelivered by: Apex ☒ Client ☐ ESS ☐ FedEx ☐ UPS ☐ Radio ☐ Morgan ☐ SDS ☐ Evergreen ☐ Other ☐From USDA Regulated Origin? Yes ☐ No ☒**Cooler Inspection** Date/time inspected: 5/7/24 @ 14:20 By: ASJChain of Custody included? Yes ☒ No ☐Signed/dated by client? Yes ☒ No ☐Contains USDA Reg. Soils? Yes ☒ No ☒ Unsure (email RegSoils) ☐

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	<u>2.5</u>	<u>N.D.</u>					
Custody seals? (Y/N)	<u>N</u>	<u>N</u>					
Received on ice? (Y/N)	<u>N</u>						
Temp. blanks? (Y/N)	<u>N</u>						
Ice type: (Gel/Real/Other)	<u>None</u>						
Condition (In/Out):	<u>Out</u>						

Cooler out of temp? ☒ (Y/N) Possible reason why: Drinking watersGreen dots applied to out of temperature samples? Yes ☒ No ☐Out of temperature samples form initiated? Yes ☐ No ☒**Sample Inspection:** Date/time inspected: 5/10/24 @ 16:00 By: KPSAll samples intact? Yes ☒ No ☐ Comments: Bottle labels/COCs agree? Yes ☐ No ☒ Comments: SEE FORMCOC/container discrepancies form initiated? Yes ☒ No ☒Containers/volumes received appropriate for analysis? Yes ☒ No ☐ Comments: Do VOA vials have visible headspace? Yes ☐ No ☐ NA ☒Comments: Water samples: pH checked: Yes ☒ No ☐ NA ☐ pH appropriate? Yes ☒ No ☐ NA ☐ pH ID: A23172Comments:

Labeled by:

KPS AKL for KPS
5/10/24

Witness:

AKW

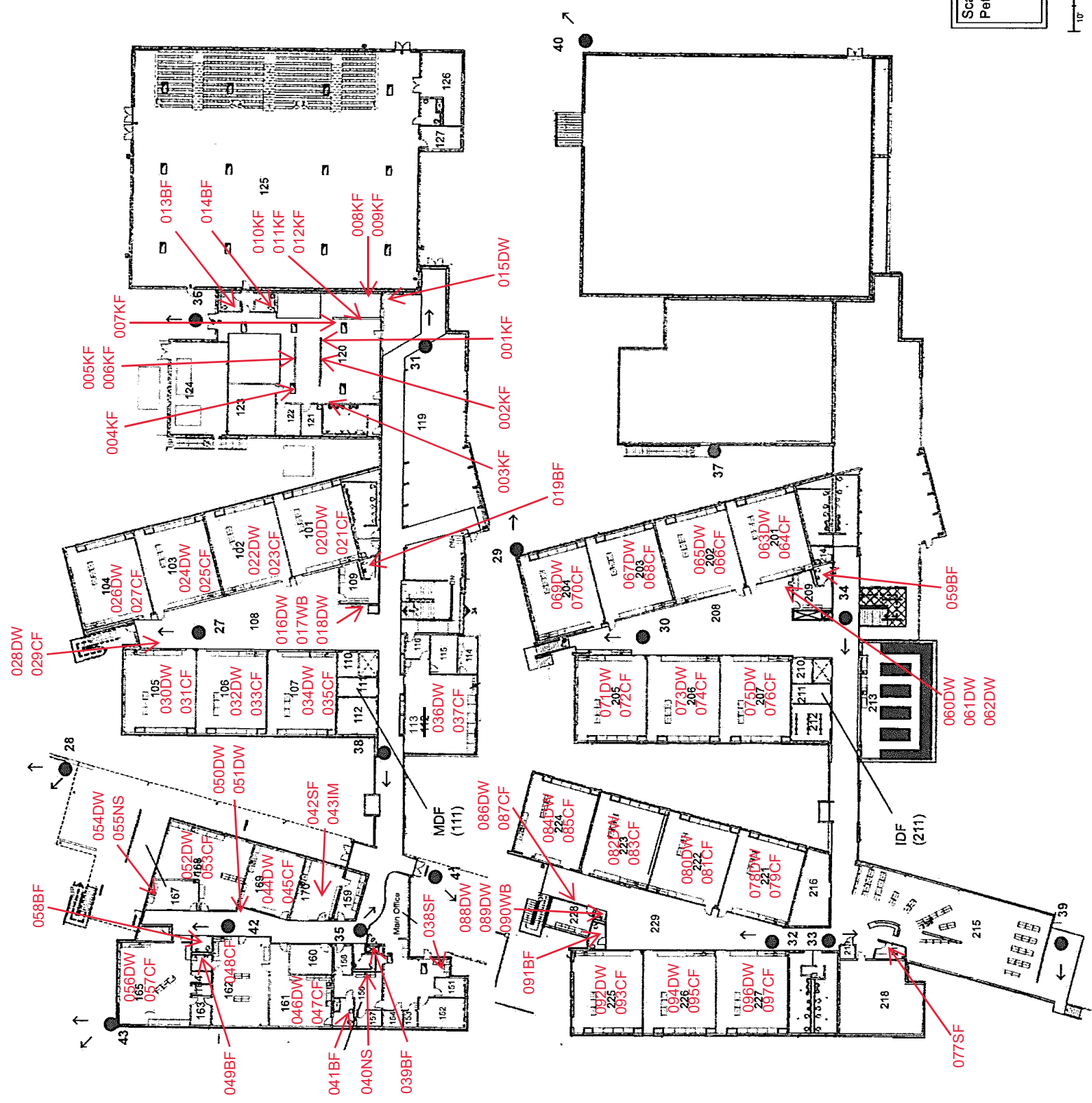
Cooler Inspected by:

KPS AKL for KPS
5/10/24 Form Y-003 R-02

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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

Thursday, May 23, 2024

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

RE: A4E0993 - Scappoose School District - Scappoose MS/27742.000

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 A4E0993, which was received by the laboratory on 5/7/2024 at 12:50:00PM.

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

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

Cooler Receipt Information		
<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)		
Default Cooler	22.3	degC

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

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



Apex Laboratories

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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: **Scappoose School District**

Project Number: Scappoose MS/27742.000

Project Manager: Nathan Carlson

Report ID:

A4E0993 - 05 23 24 1254

ANALYTICAL REPORT FOR SAMPLES**SAMPLE INFORMATION**

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
19440400-001KF24A	A4E0993-01	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440400-002KF24A	A4E0993-02	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440400-003KF24A	A4E0993-03	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440400-004KF24A	A4E0993-04	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440400-005SF24A	A4E0993-05	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440400-006DW24A	A4E0993-06	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440400-007SF24A	A4E0993-07	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440400-008SF24A	A4E0993-08	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440400-009DW24A	A4E0993-09	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440400-010WB24A	A4E0993-10	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440400-011DW24A	A4E0993-11	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440400-012BF24A	A4E0993-12	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440400-013CF24A	A4E0993-13	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440400-014DW24A	A4E0993-14	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440400-015WB24A	A4E0993-15	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440400-016CF24A	A4E0993-16	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440400-017CF24A	A4E0993-17	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440400-018CF24A	A4E0993-18	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440400-019CF24A	A4E0993-19	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440400-020CF24A	A4E0993-20	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440400-021CF24A	A4E0993-21	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440400-022CF24A	A4E0993-22	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440400-023CF24A	A4E0993-23	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440400-024SF24A	A4E0993-24	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440400-025SF24A	A4E0993-25	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440400-026BF24A	A4E0993-26	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440400-027BF24A	A4E0993-27	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440400-028BF24A	A4E0993-28	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440400-029CF24A	A4E0993-29	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440400-030CF24A	A4E0993-30	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440401-031DW24A	A4E0993-31	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440401-032WB24A	A4E0993-32	Drinking Water	04/30/24 00:00	05/07/24 12:50

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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: **Scappoose School District**

Project Number: Scappoose MS/27742.000

Project Manager: Nathan Carlson

Report ID:

A4E0993 - 05 23 24 1254

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
19440401-033BF24A	A4E0993-33	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440401-034DW24A	A4E0993-34	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440401-035WB24A	A4E0993-35	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440400-036BF24A	A4E0993-36	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440400-037DW24A	A4E0993-37	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440400-038BF24A	A4E0993-38	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440400-039BF24A	A4E0993-39	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440400-040BF24A	A4E0993-40	Drinking Water	04/30/24 00:00	05/07/24 12:50
19440400-041BF24A	A4E0993-41	Drinking Water	04/30/24 00:00	05/07/24 12:50

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Jason Woodcock, Project Manager

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Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062****PBS Engineering and Environmental
4412 S Corbett Ave
Portland, OR 97239****Project: Scappoose School District
Project Number: Scappoose MS/27742.000
Project Manager: Nathan Carlson****Report ID:
A4E0993 - 05 23 24 1254****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
19440400-001KF24A (A4E0993-01)				Matrix: Drinking Water				
Batch: 24E0477								
Lead	1.61	---	0.200	ug/L	1	05/14/24 14:20	EPA 200.8	
19440400-002KF24A (A4E0993-02)				Matrix: Drinking Water				
Batch: 24E0477								
Lead	1.50	---	0.200	ug/L	1	05/14/24 14:22	EPA 200.8	
19440400-003KF24A (A4E0993-03)				Matrix: Drinking Water				
Batch: 24E0477								
Lead	0.580	---	0.200	ug/L	1	05/14/24 14:24	EPA 200.8	
19440400-004KF24A (A4E0993-04)				Matrix: Drinking Water				
Batch: 24E0477								
Lead	2.48	---	0.200	ug/L	1	05/14/24 14:25	EPA 200.8	
19440400-005SF24A (A4E0993-05)				Matrix: Drinking Water				
Batch: 24E0477								
Lead	4.17	---	0.200	ug/L	1	05/14/24 14:30	EPA 200.8	
19440400-006DW24A (A4E0993-06)				Matrix: Drinking Water				
Batch: 24E0491								
Lead	0.586	---	0.200	ug/L	1	05/14/24 15:37	EPA 200.8	
19440400-007SF24A (A4E0993-07)				Matrix: Drinking Water				
Batch: 24E0491								
Lead	10.8	---	0.200	ug/L	1	05/14/24 15:42	EPA 200.8	
19440400-008SF24A (A4E0993-08)				Matrix: Drinking Water				
Batch: 24E0491								
Lead	3.83	---	0.200	ug/L	1	05/14/24 15:44	EPA 200.8	
19440400-009DW24A (A4E0993-09)				Matrix: Drinking Water				
Batch: 24E0491								
Lead	ND	---	0.200	ug/L	1	05/14/24 15:46	EPA 200.8	

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Jason Woodcock, Project Manager

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Portland, OR 97239Project: **Scappoose School District**
Project Number: **Scappoose MS/27742.000**
Project Manager: **Nathan Carlson****Report ID:**
A4E0993 - 05 23 24 1254**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
19440400-010WB24A (A4E0993-10)				Matrix: Drinking Water				
Batch: 24E0491								
Lead	ND	---	0.200	ug/L	1	05/14/24 15:48	EPA 200.8	
19440400-011DW24A (A4E0993-11)				Matrix: Drinking Water				
Batch: 24E0761								
Lead	0.957	---	0.200	ug/L	1	05/21/24 21:13	EPA 200.8	DW-D
19440400-012BF24A (A4E0993-12)				Matrix: Drinking Water				
Batch: 24E0491								
Lead	1.65	---	0.200	ug/L	1	05/14/24 15:49	EPA 200.8	
19440400-013CF24A (A4E0993-13)				Matrix: Drinking Water				
Batch: 24E0491								
Lead	5.55	---	0.200	ug/L	1	05/14/24 15:54	EPA 200.8	
19440400-014DW24A (A4E0993-14)				Matrix: Drinking Water				
Batch: 24E0491								
Lead	ND	---	0.200	ug/L	1	05/14/24 15:56	EPA 200.8	
19440400-015WB24A (A4E0993-15)				Matrix: Drinking Water				
Batch: 24E0491								
Lead	ND	---	0.200	ug/L	1	05/14/24 15:58	EPA 200.8	
19440400-016CF24A (A4E0993-16)				Matrix: Drinking Water				
Batch: 24E0491								
Lead	7.83	---	0.200	ug/L	1	05/14/24 16:00	EPA 200.8	
19440400-017CF24A (A4E0993-17)				Matrix: Drinking Water				
Batch: 24E0491								
Lead	3.74	---	0.200	ug/L	1	05/14/24 16:01	EPA 200.8	
19440400-018CF24A (A4E0993-18)				Matrix: Drinking Water				
Batch: 24E0491								
Lead	6.16	---	0.200	ug/L	1	05/14/24 16:03	EPA 200.8	

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4412 S Corbett Ave
Portland, OR 97239Project: **Scappoose School District**
Project Number: **Scappoose MS/27742.000**
Project Manager: **Nathan Carlson****Report ID:**
A4E0993 - 05 23 24 1254**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
19440400-019CF24A (A4E0993-19) Matrix: Drinking Water								
Batch: 24E0491								
Lead	2.80	---	0.200	ug/L	1	05/14/24 16:05	EPA 200.8	
19440400-020CF24A (A4E0993-20) Matrix: Drinking Water								
Batch: 24E0491								
Lead	1.61	---	0.200	ug/L	1	05/14/24 16:06	EPA 200.8	
19440400-021CF24A (A4E0993-21) Matrix: Drinking Water								
Batch: 24E0491								
Lead	2.26	---	0.200	ug/L	1	05/14/24 16:08	EPA 200.8	
19440400-022CF24A (A4E0993-22) Matrix: Drinking Water								
Batch: 24E0491								
Lead	1.32	---	0.200	ug/L	1	05/14/24 16:10	EPA 200.8	
19440400-023CF24A (A4E0993-23) Matrix: Drinking Water								
Batch: 24E0491								
Lead	2.30	---	0.200	ug/L	1	05/14/24 16:15	EPA 200.8	
19440400-024SF24A (A4E0993-24) Matrix: Drinking Water								
Batch: 24E0491								
Lead	2.17	---	0.200	ug/L	1	05/14/24 16:17	EPA 200.8	
19440400-025SF24A (A4E0993-25) Matrix: Drinking Water								
Batch: 24E0491								
Lead	6.61	---	0.200	ug/L	1	05/14/24 16:19	EPA 200.8	
19440400-026BF24A (A4E0993-26) Matrix: Drinking Water								
Batch: 24E0491								
Lead	1.67	---	0.200	ug/L	1	05/14/24 16:20	EPA 200.8	
19440400-027BF24A (A4E0993-27) Matrix: Drinking Water								
Batch: 24E0503								
Lead	0.577	---	0.200	ug/L	1	05/14/24 17:24	EPA 200.8	

Apex Laboratories

Jason Woodcock, Project Manager

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Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062**PBS Engineering and Environmental**
4412 S Corbett Ave
Portland, OR 97239Project: **Scappoose School District**
Project Number: **Scappoose MS/27742.000**
Project Manager: **Nathan Carlson****Report ID:**
A4E0993 - 05 23 24 1254**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
19440400-028BF24A (A4E0993-28)				Matrix: Drinking Water				
Batch: 24E0503								
Lead	1.65	---	0.200	ug/L	1	05/14/24 17:30	EPA 200.8	
19440400-029CF24A (A4E0993-29)				Matrix: Drinking Water				
Batch: 24E0503								
Lead	2.80	---	0.200	ug/L	1	05/14/24 17:31	EPA 200.8	
19440400-030CF24A (A4E0993-30)				Matrix: Drinking Water				
Batch: 24E0503								
Lead	4.33	---	0.200	ug/L	1	05/14/24 17:33	EPA 200.8	
19440401-031DW24A (A4E0993-31)				Matrix: Drinking Water				
Batch: 24E0503								
Lead	ND	---	0.200	ug/L	1	05/14/24 17:35	EPA 200.8	
19440401-032WB24A (A4E0993-32)				Matrix: Drinking Water				
Batch: 24E0503								
Lead	ND	---	0.200	ug/L	1	05/14/24 17:40	EPA 200.8	
19440401-033BF24A (A4E0993-33)				Matrix: Drinking Water				
Batch: 24E0503								
Lead	1.85	---	0.200	ug/L	1	05/14/24 17:42	EPA 200.8	
19440401-034DW24A (A4E0993-34)				Matrix: Drinking Water				
Batch: 24E0503								
Lead	ND	---	0.200	ug/L	1	05/14/24 17:44	EPA 200.8	
19440401-035WB24A (A4E0993-35)				Matrix: Drinking Water				
Batch: 24E0503								
Lead	ND	---	0.200	ug/L	1	05/14/24 17:45	EPA 200.8	
19440400-036BF24A (A4E0993-36)				Matrix: Drinking Water				
Batch: 24E0761								
Lead	21.6	---	0.200	ug/L	1	05/21/24 21:19	EPA 200.8	DW-D

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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 97239

Project: **Scappoose School District**
Project Number: **Scappoose MS/27742.000**
Project Manager: **Nathan Carlson**

Report ID:
A4E0993 - 05 23 24 1254

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
19440400-037DW24A (A4E0993-37)				Matrix: Drinking Water				
Batch: 24E0503								
Lead	6.47	---	0.200	ug/L	1	05/14/24 17:47	EPA 200.8	
19440400-038BF24A (A4E0993-38)				Matrix: Drinking Water				
Batch: 24E0503								
Lead	1.77	---	0.200	ug/L	1	05/14/24 17:49	EPA 200.8	
19440400-039BF24A (A4E0993-39)				Matrix: Drinking Water				
Batch: 24E0503								
Lead	3.28	---	0.200	ug/L	1	05/14/24 17:51	EPA 200.8	
19440400-040BF24A (A4E0993-40)				Matrix: Drinking Water				
Batch: 24E0503								
Lead	3.98	---	0.200	ug/L	1	05/14/24 17:52	EPA 200.8	
19440400-041BF24A (A4E0993-41)				Matrix: Drinking Water				
Batch: 24E0503								
Lead	1.80	---	0.200	ug/L	1	05/14/24 17:54	EPA 200.8	

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Project Number: Scappoose MS/27742.000
Project Manager: Nathan CarlsonReport ID:
A4E0993 - 05 23 24 1254

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 24E0477 - EPA 200.8 Direct Analysis							Drinking Water					
Blank (24E0477-BLK1)		Prepared: 05/13/24 18:14 Analyzed: 05/14/24 13:50										
<u>EPA 200.8</u>												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (24E0477-BS1)		Prepared: 05/13/24 18:14 Analyzed: 05/14/24 13:52										
<u>EPA 200.8</u>												
Lead	15.1	---	0.201	ug/L	1	15.0	---	101	85 - 115%	---	---	
Matrix Spike (24E0477-MS2)		Prepared: 05/13/24 18:14 Analyzed: 05/14/24 14:32										
<u>QC Source Sample: 19440400-005SF24A (A4E0993-05)</u>												
<u>EPA 200.8</u>												
Lead	18.4	---	0.201	ug/L	1	15.0	4.17	95	70 - 130%	---	---	
Batch 24E0491 - EPA 200.8 Direct Analysis							Drinking Water					
Blank (24E0491-BLK1)		Prepared: 05/14/24 09:14 Analyzed: 05/14/24 15:33										
<u>EPA 200.8</u>												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (24E0491-BS1)		Prepared: 05/14/24 09:14 Analyzed: 05/14/24 15:36										
<u>EPA 200.8</u>												
Lead	15.2	---	0.201	ug/L	1	15.0	---	101	85 - 115%	---	---	
Duplicate (24E0491-DUP1)		Prepared: 05/14/24 09:14 Analyzed: 05/14/24 15:39										
<u>QC Source Sample: 19440400-006DW24A (A4E0993-06)</u>												
<u>EPA 200.8</u>												
Lead	0.559	---	0.200	ug/L	1	---	0.586	---	---	5	20%	
Matrix Spike (24E0491-MS1)		Prepared: 05/14/24 09:14 Analyzed: 05/14/24 15:41										
<u>QC Source Sample: 19440400-006DW24A (A4E0993-06)</u>												
<u>EPA 200.8</u>												
Lead	15.5	---	0.201	ug/L	1	15.0	0.586	99	70 - 130%	---	---	
Matrix Spike (24E0491-MS2)		Prepared: 05/14/24 09:14 Analyzed: 05/14/24 16:22										
<u>QC Source Sample: 19440400-026BF24A (A4E0993-26)</u>												

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Project: **Scappoose School District**

Project Number: **Scappoose MS/27742.000**

Project Manager: **Nathan Carlson**

Report ID:

A4E0993 - 05 23 24 1254

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 24E0491 - EPA 200.8 Direct Analysis							Drinking Water					
Matrix Spike (24E0491-MS2)		Prepared: 05/14/24 09:14 Analyzed: 05/14/24 16:22										
QC Source Sample: 19440400-026BF24A (A4E0993-26)												
EPA 200.8												
Lead	17.0	---	0.201	ug/L	1	15.0	1.67	102	70 - 130%	---	---	

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Project Manager: **Nathan Carlson**

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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 24E0503 - EPA 200.8 Direct Analysis							Drinking Water					
Blank (24E0503-BLK1)		Prepared: 05/14/24 11:30 Analyzed: 05/14/24 17:21										
EPA 200.8												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (24E0503-BS1)		Prepared: 05/14/24 11:30 Analyzed: 05/14/24 17:23										
EPA 200.8												
Lead	15.5	---	0.201	ug/L	1	15.0	---	103	85 - 115%	---	---	
Duplicate (24E0503-DUP1)		Prepared: 05/14/24 11:30 Analyzed: 05/14/24 17:26										
QC Source Sample: 19440400-027BF24A (A4E0993-27)												
EPA 200.8												
Lead	0.579	---	0.200	ug/L	1	---	0.577	---	---	0.4	20%	
Matrix Spike (24E0503-MS1)		Prepared: 05/14/24 11:30 Analyzed: 05/14/24 17:28										
QC Source Sample: 19440400-027BF24A (A4E0993-27)												
EPA 200.8												
Lead	15.7	---	0.201	ug/L	1	15.0	0.577	101	70 - 130%	---	---	

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Project: **Scappoose School District**

Project Number: **Scappoose MS/27742.000**

Project Manager: **Nathan Carlson**

Report ID:

A4E0993 - 05 23 24 1254

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 24E0761 - EPA 200.2							Drinking Water					
Blank (24E0761-BLK1)		Prepared: 05/21/24 15:15 Analyzed: 05/21/24 19:01										
EPA 200.8												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (24E0761-BS1)		Prepared: 05/21/24 15:15 Analyzed: 05/21/24 19:07										
EPA 200.8												
Lead	17.7	---	0.200	ug/L	1	16.7	---	106	85 - 115%	---	---	

No Client related Batch QC samples analyzed for this batch. See notes page for more information.

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503-718-2323
ORELAP ID: OR100062**PBS Engineering and Environmental**4412 S Corbett Ave
Portland, OR 97239Project: **Scappoose School District**Project Number: **Scappoose MS/27742.000**Project Manager: **Nathan Carlson****Report ID:****A4E0993 - 05 23 24 1254****SAMPLE PREPARATION INFORMATION****Total Metals in Drinking Water by EPA 200.8 (ICPMS)****Prep: EPA 200.2**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 24E0761</u>							
A4E0993-11	Drinking Water	EPA 200.8	04/30/24 00:00	05/21/24 15:15	45mL/50mL	45mL/50mL	1.00
A4E0993-36	Drinking Water	EPA 200.8	04/30/24 00:00	05/21/24 15:15	45mL/50mL	45mL/50mL	1.00

Prep: EPA 200.8 Direct Analysis

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 24E0477</u>							
A4E0993-01	Drinking Water	EPA 200.8	04/30/24 00:00	05/13/24 18:14	10mL/10mL	10mL/10mL	1.00
A4E0993-02	Drinking Water	EPA 200.8	04/30/24 00:00	05/13/24 18:14	10mL/10mL	10mL/10mL	1.00
A4E0993-03	Drinking Water	EPA 200.8	04/30/24 00:00	05/13/24 18:14	10mL/10mL	10mL/10mL	1.00
A4E0993-04	Drinking Water	EPA 200.8	04/30/24 00:00	05/13/24 18:14	10mL/10mL	10mL/10mL	1.00
A4E0993-05	Drinking Water	EPA 200.8	04/30/24 00:00	05/13/24 18:14	10mL/10mL	10mL/10mL	1.00
<u>Batch: 24E0491</u>							
A4E0993-06	Drinking Water	EPA 200.8	04/30/24 00:00	05/14/24 09:14	10mL/10mL	10mL/10mL	1.00
A4E0993-07	Drinking Water	EPA 200.8	04/30/24 00:00	05/14/24 09:14	10mL/10mL	10mL/10mL	1.00
A4E0993-08	Drinking Water	EPA 200.8	04/30/24 00:00	05/14/24 09:14	10mL/10mL	10mL/10mL	1.00
A4E0993-09	Drinking Water	EPA 200.8	04/30/24 00:00	05/14/24 09:14	10mL/10mL	10mL/10mL	1.00
A4E0993-10	Drinking Water	EPA 200.8	04/30/24 00:00	05/14/24 09:14	10mL/10mL	10mL/10mL	1.00
A4E0993-12	Drinking Water	EPA 200.8	04/30/24 00:00	05/14/24 09:14	10mL/10mL	10mL/10mL	1.00
A4E0993-13	Drinking Water	EPA 200.8	04/30/24 00:00	05/14/24 09:14	10mL/10mL	10mL/10mL	1.00
A4E0993-14	Drinking Water	EPA 200.8	04/30/24 00:00	05/14/24 09:14	10mL/10mL	10mL/10mL	1.00
A4E0993-15	Drinking Water	EPA 200.8	04/30/24 00:00	05/14/24 09:14	10mL/10mL	10mL/10mL	1.00
A4E0993-16	Drinking Water	EPA 200.8	04/30/24 00:00	05/14/24 09:14	10mL/10mL	10mL/10mL	1.00
A4E0993-17	Drinking Water	EPA 200.8	04/30/24 00:00	05/14/24 09:14	10mL/10mL	10mL/10mL	1.00
A4E0993-18	Drinking Water	EPA 200.8	04/30/24 00:00	05/14/24 09:14	10mL/10mL	10mL/10mL	1.00
A4E0993-19	Drinking Water	EPA 200.8	04/30/24 00:00	05/14/24 09:14	10mL/10mL	10mL/10mL	1.00
A4E0993-20	Drinking Water	EPA 200.8	04/30/24 00:00	05/14/24 09:14	10mL/10mL	10mL/10mL	1.00
A4E0993-21	Drinking Water	EPA 200.8	04/30/24 00:00	05/14/24 09:14	10mL/10mL	10mL/10mL	1.00
A4E0993-22	Drinking Water	EPA 200.8	04/30/24 00:00	05/14/24 09:14	10mL/10mL	10mL/10mL	1.00
A4E0993-23	Drinking Water	EPA 200.8	04/30/24 00:00	05/14/24 09:14	10mL/10mL	10mL/10mL	1.00
A4E0993-24	Drinking Water	EPA 200.8	04/30/24 00:00	05/14/24 09:14	10mL/10mL	10mL/10mL	1.00
A4E0993-25	Drinking Water	EPA 200.8	04/30/24 00:00	05/14/24 09:14	10mL/10mL	10mL/10mL	1.00
A4E0993-26	Drinking Water	EPA 200.8	04/30/24 00:00	05/14/24 09:14	10mL/10mL	10mL/10mL	1.00
<u>Batch: 24E0503</u>							
A4E0993-27	Drinking Water	EPA 200.8	04/30/24 00:00	05/14/24 11:30	10mL/10mL	10mL/10mL	1.00
A4E0993-28	Drinking Water	EPA 200.8	04/30/24 00:00	05/14/24 11:30	10mL/10mL	10mL/10mL	1.00

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Portland, OR 97239

Project: **Scappoose School District**

Project Number: **Scappoose MS/27742.000**

Project Manager: **Nathan Carlson**

Report ID:

A4E0993 - 05 23 24 1254

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
A4E0993-29	Drinking Water	EPA 200.8	04/30/24 00:00	05/14/24 11:30	10mL/10mL	10mL/10mL	1.00
A4E0993-30	Drinking Water	EPA 200.8	04/30/24 00:00	05/14/24 11:30	10mL/10mL	10mL/10mL	1.00
A4E0993-31	Drinking Water	EPA 200.8	04/30/24 00:00	05/14/24 11:30	10mL/10mL	10mL/10mL	1.00
A4E0993-32	Drinking Water	EPA 200.8	04/30/24 00:00	05/14/24 11:30	10mL/10mL	10mL/10mL	1.00
A4E0993-33	Drinking Water	EPA 200.8	04/30/24 00:00	05/14/24 11:30	10mL/10mL	10mL/10mL	1.00
A4E0993-34	Drinking Water	EPA 200.8	04/30/24 00:00	05/14/24 11:30	10mL/10mL	10mL/10mL	1.00
A4E0993-35	Drinking Water	EPA 200.8	04/30/24 00:00	05/14/24 11:30	10mL/10mL	10mL/10mL	1.00
A4E0993-37	Drinking Water	EPA 200.8	04/30/24 00:00	05/14/24 11:30	10mL/10mL	10mL/10mL	1.00
A4E0993-38	Drinking Water	EPA 200.8	04/30/24 00:00	05/14/24 11:30	10mL/10mL	10mL/10mL	1.00
A4E0993-39	Drinking Water	EPA 200.8	04/30/24 00:00	05/14/24 11:30	10mL/10mL	10mL/10mL	1.00
A4E0993-40	Drinking Water	EPA 200.8	04/30/24 00:00	05/14/24 11:30	10mL/10mL	10mL/10mL	1.00
A4E0993-41	Drinking Water	EPA 200.8	04/30/24 00:00	05/14/24 11:30	10mL/10mL	10mL/10mL	1.00

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A4E0993 - 05 23 24 1254

QUALIFIER DEFINITIONS

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

Apex Laboratories

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

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REPORTING NOTES AND CONVENTIONS:

Abbreviations:

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

Detection Limits: Limit of Detection (LOD)

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

Reporting Limits: Limit of Quantitation (LOQ)

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

Reporting Conventions:

Basis: Results for soil samples are generally reported on a 100% dry weight basis.
The Result Basis is listed following the units as "dry", "wet", or " " (blank) designation.

"dry" Sample results and Reporting Limits are reported on a dry weight basis. (i.e. "ug/kg dry")
See Percent Solids section for details of dry weight analysis.

"wet" Sample results and Reporting Limits for this analysis are normally dry weight corrected, but have not been modified in this case.

" " Results without 'wet' or 'dry' designation are not normally dry weight corrected. These results are considered 'As Received'.

QC Source:

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

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

Miscellaneous Notes:

" --- " QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.

" *** " Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

Blanks:

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

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A4E0993 - 05 23 24 1254

REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks (Cont.):

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

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

Preparation Notes:

Mixed Matrix Samples:

Water Samples:

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

Soil and Sediment Samples:

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

Sampling and Preservation Notes:

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

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

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

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

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4412 S Corbett Ave
Portland, OR 97239

Project: **Scappoose School District**

Project Number: **Scappoose MS/27742.000**

Project Manager: **Nathan Carlson**

Report ID:

A4E0993 - 05 23 24 1254

LABORATORY ACCREDITATION INFORMATION

ORELAP Certification ID: OR100062 (Primary Accreditation)

EPA ID: OR01039

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

Apex Laboratories

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

Secondary Accreditations

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

Subcontract Laboratory Accreditations

Subcontracted data falls outside of Apex Laboratories' Scope of Accreditation.

Please see the Subcontract Laboratory report for full details, or contact your Project Manager for more information.

Field Testing Parameters

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

Apex Laboratories

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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: **Scappoose School District**Project Number: **Scappoose MS/27742.000**Project Manager: **Nathan Carlson****Report ID:****A4E0993 - 05 23 24 1254**

A4E0993

LEAD IN DRINKING WATER CHAIN OF CUSTODYProject : Scappoose SD – Scappoose Middle School Project No: 27742.000 Phase: _____ Task: _____Samples **submitted** undamaged to lab by: Name/Sign: John Yuly Date: 5/6/24 Time: _____
(Inspector)Samples **received** by lab undamaged: Name/Sign: Andy Mariposa Date: 5/7/24 Time: 12:50
(Lab)Lab APEX
(specify)Turnaround time (check one): ☐ 5 days ☒ 10 daysSend Results to: nathan.carlson@pbsusa.com; john.yuly@pbsusa.com

SAMPLE #	DATE	BUILDING	ROOM	DESCRIPTION
19440400-001KF24A	4/30/2024	MAIN - FLOOR 1	KITCHEN, SOUTHEAST PREP FAUCET	
19440400-002KF24A	4/30/2024	MAIN - FLOOR 1	KITCHEN, NORTHWEST PREP FAUCET	
19440400-003KF24A	4/30/2024	MAIN - FLOOR 1	KITCHEN, NORTH PREP FAUCET	
19440400-004KF24A	4/30/2024	MAIN - FLOOR 1	KITCHEN, NORTHEAST HOTPOT	
19440400-005SF24A	4/30/2024	MAIN - FLOOR 2	MAIN OFFICE	
19440400-006DW24A	4/30/2024	MAIN - FLOOR 2	OUTSIDE MAIN OFFICE	
19440400-007SF24A	4/30/2024	MAIN - FLOOR 2	A4	
19440400-008SF24A	4/30/2024	MAIN - FLOOR 2	LIBRARY STAFF ROOM	
19440400-009DW24A	4/30/2024	MAIN - FLOOR 2	OUTSIDE A6	
19440400-010WB24A	4/30/2024	MAIN - FLOOR 2	OUTSIDE A6	
19440400-011DW24A	4/30/2024	MAIN - FLOOR 1	OUTSIDE B2	
19440400-012BF24A	4/30/2024	MAIN - FLOOR 1	RESTROOM NORTH OF B2	
19440400-013CF24A	4/30/2024	MAIN - FLOOR 1	B7	
19440400-014DW24A	4/30/2024	MAIN - FLOOR 1	OUTSIDE B9	
19440400-015WB24A	4/30/2024	MAIN - FLOOR 1	OUTSIDE B9	
19440400-016CF24A	4/30/2024	MAIN - FLOOR 1	B9, NORTHEAST FIXTURE	
19440400-017CF24A	4/30/2024	MAIN - FLOOR 1	B9, SOUTHEAST FIXTURE	
19440400-018CF24A	4/30/2024	MAIN - FLOOR 1	B9, SOUTHWEST FIXTURE	
19440400-019CF24A	4/30/2024	MAIN - FLOOR 1	B9, NORTHWEST FIXTURE (NOT 1ST DRAW)	LEAKING
19440400-020CF24A	4/30/2024	MAIN - FLOOR 1	B11	
19440400-021CF24A	4/30/2024	MAIN - FLOOR 1	B10	LEFT
19440400-022CF24A	4/30/2024	MAIN - FLOOR 1	B10	CENTER
19440400-023CF24A	4/30/2024	MAIN - FLOOR 1	B10	RIGHT
19440400-024SF24A	4/30/2024	MAIN - FLOOR 1	B8, FACULTY	LEFT
19440400-025SF24A	4/30/2024	MAIN - FLOOR 1	B8, FACULTY	RIGHT
19440400-026BF24A	4/30/2024	MAIN - FLOOR 1	GIRLS LOCKER ROOM	LEFT, (ATTACHED DW OUT OF ORDER)

Apex Laboratories

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 97239

Project: **Scappoose School District**Project Number: **Scappoose MS/27742.000**Project Manager: **Nathan Carlson****Report ID:****A4E0993 - 05 23 24 1254****APEX LABS COOLER RECEIPT FORM**Client: PBS Element WO#: A4 E0993Project/Project #: Scappoose SD - Scappoose Middle School 127742.000**Delivery Info:**Date/time received: 5/7/24 @ 12:50 By: AJMDelivered by: Apex ☒ Client ☐ ESS ☐ FedEx ☐ UPS ☐ Radio ☐ Morgan ☐ SDS ☐ Evergreen ☐ Other ☐From USDA Regulated Origin? Yes ☐ No ☒**Cooler Inspection** Date/time inspected: 5/7/24 @ 14:20 By: AJMChain of Custody included? Yes ☒ No ☐Signed/dated by client? Yes ☒ No ☐Contains USDA Reg. Soils? Yes ☒ No ☒ Unsure (email RegSoils) ☐

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	<u>22.3</u>						
Custody seals? (Y/N)	<u>N</u>						
Received on ice? (Y/N)	<u>N</u>						
Temp. blanks? (Y/N)	<u>N</u>						
Ice type: (Gel/Real/Other)	<u>None</u>						
Condition (In/Out):	<u>Out</u>						

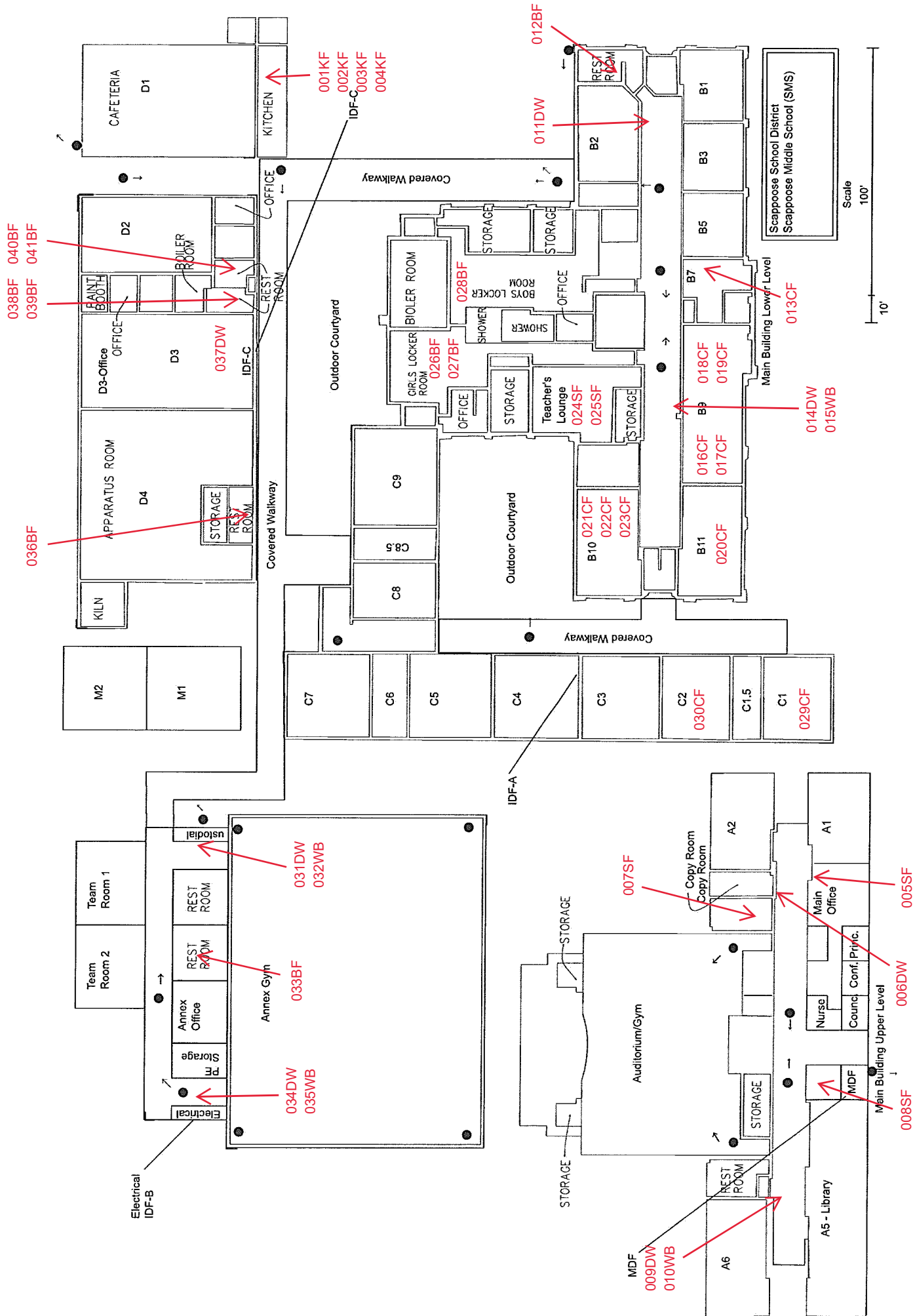
Cooler out of temp? ☒ (Y/N) Possible reason why: Drinking waterGreen dots applied to out of temperature samples? Yes ☒ No ☐Out of temperature samples form initiated? Yes ☐ No ☒**Sample Inspection:** Date/time inspected: 5/7/24 @ 15:27 By: AWAll samples intact? Yes ☒ No ☐ Comments: Bottle labels/COCs agree? Yes ☒ No ☒ Comments: No prefix/suffix on cont IDsCOC/container discrepancies form initiated? Yes ☐ No ☒Containers/volumes received appropriate for analysis? Yes ☒ No ☐ Comments: Do VOA vials have visible headspace? Yes ☐ No ☐ NA ☒Comments: Water samples: pH checked: Yes ☒ No ☐ NA ☐ pH appropriate? Yes ☒ No ☐ NA ☐ pH ID: ARSD172Comments: Labeled by: AWWitness: JSCooler Inspected by: AW

Form Y-003 R-02

Apex Laboratories

Jason Woodcock, Project Manager

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Scappoose School District
Scappoose Middle School (SMS)

Scale
100'

10'



ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

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

Friday, May 31, 2024

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

RE: A4E1080 - Scappoose School District - Scappoose HS/27742.000

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 A4E1080, which was received by the laboratory on 5/7/2024 at 12:50:00PM.

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

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

Cooler Receipt Information

Acceptable Receipt Temperature is less than, or equal to, 6 degC (not frozen), or received on ice the same day as sampling.

(See Cooler Receipt Form for details)

Default Cooler 2.3 degC

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

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



Apex Laboratories

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Jason Woodcock, Project Manager

**ANALYTICAL REPORT****AMENDED 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: **Scappoose School District**

Project Number: Scappoose HS/27742.000

Project Manager: Nathan Carlson

Report ID:

A4E1080 - 05 31 24 1347

ANALYTICAL REPORT FOR SAMPLES**SAMPLE INFORMATION**

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
19440500-001SF24A	A4E1080-01	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-002DW24A	A4E1080-02	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-003BF24A	A4E1080-03	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-004DW24A	A4E1080-04	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-005BF24A	A4E1080-05	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-006BF24A	A4E1080-06	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-007BF24A	A4E1080-07	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-008SF24A	A4E1080-08	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-009DW24A	A4E1080-09	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-010SF24A	A4E1080-10	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-011SF24A	A4E1080-11	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-012WB24A	A4E1080-12	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-013DW24A	A4E1080-13	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-014BF24A	A4E1080-14	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-015WB24A	A4E1080-15	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-016DW24A	A4E1080-16	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-017BF24A	A4E1080-17	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-018BF24A	A4E1080-18	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-019SF24A	A4E1080-19	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-020DW24A	A4E1080-20	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-021DW24A	A4E1080-21	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-022BF24A	A4E1080-22	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-023BF24A	A4E1080-23	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-024BF24A	A4E1080-24	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-025BF24A	A4E1080-25	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-026BF24A	A4E1080-26	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-027SF24A	A4E1080-27	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-028NS24A	A4E1080-28	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-029BF24A	A4E1080-29	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-030SF24A	A4E1080-30	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-031WB24A	A4E1080-31	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-032DW24A	A4E1080-32	Drinking Water	04/17/24 00:00	05/07/24 12:50

Apex Laboratories

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Jason Woodcock, Project Manager

**ANALYTICAL REPORT****AMENDED 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: **Scappoose School District**

Project Number: Scappoose HS/27742.000

Project Manager: Nathan Carlson

Report ID:

A4E1080 - 05 31 24 1347

ANALYTICAL REPORT FOR SAMPLES**SAMPLE INFORMATION**

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
19440500-033BF24A	A4E1080-33	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-034BF24A	A4E1080-34	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-035BF24A	A4E1080-35	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-036BF24A	A4E1080-36	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-039BF24A	A4E1080-37	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-040DW24A	A4E1080-38	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-041DW24A	A4E1080-39	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-042BF24A	A4E1080-40	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-043CF24A	A4E1080-41	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-044CF24A	A4E1080-42	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-045CF24A	A4E1080-43	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-046SF24A	A4E1080-44	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-047CF24A	A4E1080-45	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-048CF24A	A4E1080-46	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-049CF24A	A4E1080-47	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-050CF24A	A4E1080-48	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-051CF24A	A4E1080-49	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-052CF24A	A4E1080-50	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-053CF24A	A4E1080-51	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-054CF24A	A4E1080-52	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-055CF24A	A4E1080-53	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-056CF24A	A4E1080-54	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-057CF24A	A4E1080-55	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-058CF24A	A4E1080-56	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-059CF24A	A4E1080-57	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-060CF24A	A4E1080-58	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-061CF24A	A4E1080-59	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-062CF24A	A4E1080-60	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-063BF24A	A4E1080-61	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-064BF24A	A4E1080-62	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-065CF24A	A4E1080-63	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440501-066BF24A	A4E1080-64	Drinking Water	04/17/24 00:00	05/07/24 12:50

Apex Laboratories

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Jason Woodcock, Project Manager

**ANALYTICAL REPORT****AMENDED 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: **Scappoose School District**

Project Number: Scappoose HS/27742.000

Project Manager: Nathan Carlson

Report ID:

A4E1080 - 05 31 24 1347

ANALYTICAL REPORT FOR SAMPLES**SAMPLE INFORMATION**

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
19440501-067BF24A	A4E1080-65	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440501-068WB24A	A4E1080-66	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440501-069DW24A	A4E1080-67	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440501-070BF24A	A4E1080-68	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440501-071CF24A	A4E1080-69	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440501-072CF24A	A4E1080-70	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440501-073CF24A	A4E1080-71	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440501-074CF24A	A4E1080-72	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440501-075CF24A	A4E1080-73	Drinking Water	04/17/24 00:00	05/07/24 12:50
19440500-076KF24A	A4E1080-74	Drinking Water	05/02/24 00:00	05/07/24 12:50
19440500-077KF24A	A4E1080-75	Drinking Water	05/02/24 00:00	05/07/24 12:50
19440500-078KF24A	A4E1080-76	Drinking Water	05/02/24 00:00	05/07/24 12:50
19440500-079KF24A	A4E1080-77	Drinking Water	05/02/24 00:00	05/07/24 12:50
19440500-080KF24A	A4E1080-78	Drinking Water	05/02/24 00:00	05/07/24 12:50
19440500-081KF24A	A4E1080-79	Drinking Water	05/02/24 00:00	05/07/24 12:50
19440500-082KF24A	A4E1080-80	Drinking Water	05/02/24 00:00	05/07/24 12:50
19440500-083KF24A	A4E1080-81	Drinking Water	05/02/24 00:00	05/07/24 12:50
19440500-084KF24A	A4E1080-82	Drinking Water	05/02/24 00:00	05/07/24 12:50
19440500-085BF24A	A4E1080-83	Drinking Water	05/02/24 00:00	05/07/24 12:50
19440500-086CF24A	A4E1080-84	Drinking Water	05/02/24 00:00	05/07/24 12:50
19440500-087CF24A	A4E1080-85	Drinking Water	05/02/24 00:00	05/07/24 12:50
19440500-088CF24A	A4E1080-86	Drinking Water	05/02/24 00:00	05/07/24 12:50
19440500-089DW24A	A4E1080-87	Drinking Water	05/02/24 00:00	05/07/24 12:50
19440500-090WB24A	A4E1080-88	Drinking Water	05/02/24 00:00	05/07/24 12:50
19440500-091SF24A	A4E1080-89	Drinking Water	05/02/24 00:00	05/07/24 12:50
19440500-092KF24A	A4E1080-90	Drinking Water	05/02/24 00:00	05/07/24 12:50
19440500-093BF24A	A4E1080-91	Drinking Water	05/02/24 00:00	05/07/24 12:50
19440500-094BF24A	A4E1080-92	Drinking Water	05/02/24 00:00	05/07/24 12:50

Apex Laboratories

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Jason Woodcock, Project Manager



ANALYTICAL REPORT

AMENDED 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: Scappoose School District

Project Number: Scappoose HS/27742.000

Project Manager: Nathan Carlson

Report ID:

A4E1080 - 05 31 24 1347

ANALYTICAL CASE NARRATIVE

Work Order: **A4E1080**

Apex Laboratories

Amended Final Report #1 - This report supersedes all previous reports.

EPA 200.2M, 200.8: Amended Data

This report contains modified data for Copper and Lead by method EPA 200.2M, 200.8 for the following samples:

"194405000-52CF24A" (Apex Labs ID: A4E1080-50)

"194405000-53CF24A" (Apex Labs ID: A4E1080-51)

"194405000-54CF24A" (Apex Labs ID: A4E1080-52)

"194405000-59CF24A" (Apex Labs ID: A4E1080-57)

"194405000-84KF24A" (Apex Labs ID: A4E1080-82)

A discrepancy was found in the Method Reporting Level for EPA 200.2M. The affected data is flagged in the report with the AMEND qualifier and reporting levels corrected.

Marshall Pattee

Metals Manager

05/28/2024

Apex Laboratories

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Jason Woodcock, Project Manager



ANALYTICAL REPORT

AMENDED 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: **Scappoose School District**Project Number: **Scappoose HS/27742.000**Project Manager: **Nathan Carlson****Report ID:****A4E1080 - 05 31 24 1347**

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
19440500-001SF24A (A4E1080-01)				Matrix: Drinking Water				
Batch: 24E0588								
Lead	4.22	---	0.200	ug/L	1	05/16/24 18:22	EPA 200.8	
19440500-002DW24A (A4E1080-02)				Matrix: Drinking Water				
Batch: 24E0588								
Lead	3.34	---	0.200	ug/L	1	05/16/24 18:25	EPA 200.8	
19440500-003BF24A (A4E1080-03)				Matrix: Drinking Water				
Batch: 24E0588								
Lead	0.410	---	0.200	ug/L	1	05/16/24 18:27	EPA 200.8	
19440500-004DW24A (A4E1080-04)				Matrix: Drinking Water				
Batch: 24E0629								
Lead	5.01	---	0.200	ug/L	1	05/16/24 18:34	EPA 200.8	
19440500-005BF24A (A4E1080-05)				Matrix: Drinking Water				
Batch: 24E0629								
Lead	15.1	---	0.200	ug/L	1	05/16/24 18:43	EPA 200.8	
19440500-006BF24A (A4E1080-06)				Matrix: Drinking Water				
Batch: 24E0629								
Lead	0.232	---	0.200	ug/L	1	05/16/24 18:45	EPA 200.8	
19440500-007BF24A (A4E1080-07)				Matrix: Drinking Water				
Batch: 24E0629								
Lead	26.0	---	0.200	ug/L	1	05/16/24 18:46	EPA 200.8	
19440500-008SF24A (A4E1080-08)				Matrix: Drinking Water				
Batch: 24E0629								
Lead	10.2	---	0.200	ug/L	1	05/16/24 18:48	EPA 200.8	
19440500-009DW24A (A4E1080-09)				Matrix: Drinking Water				
Batch: 24E0629								
Lead	0.648	---	0.200	ug/L	1	05/16/24 18:50	EPA 200.8	

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ANALYTICAL REPORT

AMENDED 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: **Scappoose School District**Project Number: **Scappoose HS/27742.000**Project Manager: **Nathan Carlson****Report ID:****A4E1080 - 05 31 24 1347**

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
19440500-010SF24A (A4E1080-10)				Matrix: Drinking Water				
Batch: 24E0629								
Lead	1.99	---	0.200	ug/L	1	05/16/24 18:52	EPA 200.8	
19440500-011SF24A (A4E1080-11)				Matrix: Drinking Water				
Batch: 24E0629								
Lead	8.25	---	0.200	ug/L	1	05/16/24 18:53	EPA 200.8	
19440500-012WB24A (A4E1080-12)				Matrix: Drinking Water				
Batch: 24E0629								
Lead	ND	---	0.200	ug/L	1	05/16/24 18:55	EPA 200.8	
19440500-013DW24A (A4E1080-13)				Matrix: Drinking Water				
Batch: 24E0629								
Lead	ND	---	0.200	ug/L	1	05/16/24 18:57	EPA 200.8	
19440500-014BF24A (A4E1080-14)				Matrix: Drinking Water				
Batch: 24E0629								
Lead	0.730	---	0.200	ug/L	1	05/16/24 18:59	EPA 200.8	
19440500-015WB24A (A4E1080-15)				Matrix: Drinking Water				
Batch: 24E0629								
Lead	ND	---	0.200	ug/L	1	05/16/24 19:04	EPA 200.8	
19440500-016DW24A (A4E1080-16)				Matrix: Drinking Water				
Batch: 24E0629								
Lead	ND	---	0.200	ug/L	1	05/16/24 19:06	EPA 200.8	
19440500-017BF24A (A4E1080-17)				Matrix: Drinking Water				
Batch: 24E0629								
Lead	0.304	---	0.200	ug/L	1	05/16/24 19:07	EPA 200.8	
19440500-018BF24A (A4E1080-18)				Matrix: Drinking Water				
Batch: 24E0629								
Lead	0.314	---	0.200	ug/L	1	05/16/24 19:09	EPA 200.8	

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Project: **Scappoose School District**Project Number: **Scappoose HS/27742.000**Project Manager: **Nathan Carlson****Report ID:****A4E1080 - 05 31 24 1347**

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
19440500-019SF24A (A4E1080-19)				Matrix: Drinking Water				
Batch: 24E0629								
Lead	0.446	---	0.200	ug/L	1	05/16/24 19:11	EPA 200.8	
19440500-020DW24A (A4E1080-20)				Matrix: Drinking Water				
Batch: 24E0629								
Lead	ND	---	0.200	ug/L	1	05/16/24 19:13	EPA 200.8	
19440500-021DW24A (A4E1080-21)				Matrix: Drinking Water				
Batch: 24E0629								
Lead	0.454	---	0.200	ug/L	1	05/16/24 19:14	EPA 200.8	
19440500-022BF24A (A4E1080-22)				Matrix: Drinking Water				
Batch: 24E0629								
Lead	0.442	---	0.200	ug/L	1	05/16/24 19:16	EPA 200.8	
19440500-023BF24A (A4E1080-23)				Matrix: Drinking Water				
Batch: 24E0629								
Lead	0.990	---	0.200	ug/L	1	05/16/24 19:18	EPA 200.8	
19440500-024BF24A (A4E1080-24)				Matrix: Drinking Water				
Batch: 24E0633								
Lead	0.321	---	0.200	ug/L	1	05/17/24 14:53	EPA 200.8	
19440500-025BF24A (A4E1080-25)				Matrix: Drinking Water				
Batch: 24E0633								
Lead	0.381	---	0.200	ug/L	1	05/17/24 14:58	EPA 200.8	
19440500-026BF24A (A4E1080-26)				Matrix: Drinking Water				
Batch: 24E0633								
Lead	0.576	---	0.200	ug/L	1	05/17/24 15:00	EPA 200.8	
19440500-027SF24A (A4E1080-27)				Matrix: Drinking Water				
Batch: 24E0633								
Lead	7.11	---	0.200	ug/L	1	05/17/24 15:02	EPA 200.8	

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ANALYTICAL SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
19440500-028NS24A (A4E1080-28)				Matrix: Drinking Water				
Batch: 24E0633								
Lead	3.84	---	0.200	ug/L	1	05/17/24 15:03	EPA 200.8	
19440500-029BF24A (A4E1080-29)				Matrix: Drinking Water				
Batch: 24E0633								
Lead	13.6	---	0.200	ug/L	1	05/17/24 15:05	EPA 200.8	
19440500-030SF24A (A4E1080-30)				Matrix: Drinking Water				
Batch: 24E0633								
Lead	5.82	---	0.200	ug/L	1	05/17/24 15:10	EPA 200.8	
19440500-031WB24A (A4E1080-31)				Matrix: Drinking Water				
Batch: 24E0633								
Lead	ND	---	0.200	ug/L	1	05/17/24 15:12	EPA 200.8	
19440500-032DW24A (A4E1080-32)				Matrix: Drinking Water				
Batch: 24E0633								
Lead	ND	---	0.200	ug/L	1	05/17/24 15:13	EPA 200.8	
19440500-033BF24A (A4E1080-33)				Matrix: Drinking Water				
Batch: 24E0633								
Lead	6.24	---	0.200	ug/L	1	05/17/24 15:15	EPA 200.8	
19440500-034BF24A (A4E1080-34)				Matrix: Drinking Water				
Batch: 24E0633								
Lead	2.46	---	0.200	ug/L	1	05/17/24 15:17	EPA 200.8	
19440500-035BF24A (A4E1080-35)				Matrix: Drinking Water				
Batch: 24E0633								
Lead	4.30	---	0.200	ug/L	1	05/17/24 15:19	EPA 200.8	
19440500-036BF24A (A4E1080-36)				Matrix: Drinking Water				
Batch: 24E0633								
Lead	1.09	---	0.200	ug/L	1	05/17/24 15:20	EPA 200.8	

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4412 S Corbett Ave

Portland, OR 97239

Project: **Scappoose School District**Project Number: **Scappoose HS/27742.000**Project Manager: **Nathan Carlson****Report ID:****A4E1080 - 05 31 24 1347**

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
19440500-039BF24A (A4E1080-37)				Matrix: Drinking Water				
Batch: 24E0633								
Lead	0.244	---	0.200	ug/L	1	05/17/24 15:22	EPA 200.8	
19440500-040DW24A (A4E1080-38)				Matrix: Drinking Water				
Batch: 24E0633								
Lead	0.320	---	0.200	ug/L	1	05/17/24 15:24	EPA 200.8	
19440500-041DW24A (A4E1080-39)				Matrix: Drinking Water				
Batch: 24E0633								
Lead	0.465	---	0.200	ug/L	1	05/17/24 15:25	EPA 200.8	
19440500-042BF24A (A4E1080-40)				Matrix: Drinking Water				
Batch: 24E0633								
Lead	0.457	---	0.200	ug/L	1	05/17/24 15:30	EPA 200.8	
19440500-043CF24A (A4E1080-41)				Matrix: Drinking Water				
Batch: 24E0633								
Lead	17.8	---	0.200	ug/L	1	05/17/24 15:32	EPA 200.8	
19440500-044CF24A (A4E1080-42)				Matrix: Drinking Water				
Batch: 24E0633								
Lead	29.3	---	0.200	ug/L	1	05/17/24 15:38	EPA 200.8	
19440500-045CF24A (A4E1080-43)				Matrix: Drinking Water				
Batch: 24E0633								
Lead	31.9	---	0.200	ug/L	1	05/17/24 15:42	EPA 200.8	
19440500-046SF24A (A4E1080-44)				Matrix: Drinking Water				
Batch: 24E0639								
Lead	50.8	---	0.200	ug/L	1	05/17/24 15:49	EPA 200.8	
19440500-047CF24A (A4E1080-45)				Matrix: Drinking Water				
Batch: 24E0761								
Lead	72.8	---	0.222	ug/L	1	05/21/24 21:25	EPA 200.8	DW-D

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Jason Woodcock, Project Manager

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Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062****PBS Engineering and Environmental****4412 S Corbett Ave
Portland, OR 97239**Project: **Scappoose School District**Project Number: **Scappoose HS/27742.000**Project Manager: **Nathan Carlson****Report ID:****A4E1080 - 05 31 24 1347****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
19440500-048CF24A (A4E1080-46)				Matrix: Drinking Water				
Batch: 24E0761								
Lead	79.6	---	0.222	ug/L	1	05/21/24 21:32	EPA 200.8	DW-D
19440500-049CF24A (A4E1080-47)				Matrix: Drinking Water				
Batch: 24E0761								
Lead	133	---	0.222	ug/L	1	05/21/24 21:38	EPA 200.8	DW-D
19440500-050CF24A (A4E1080-48)				Matrix: Drinking Water				
Batch: 24E0761								
Lead	135	---	0.222	ug/L	1	05/21/24 21:57	EPA 200.8	DW-D
19440500-051CF24A (A4E1080-49)				Matrix: Drinking Water				
Batch: 24E0761								
Lead	40.4	---	0.222	ug/L	1	05/21/24 22:03	EPA 200.8	DW-D
19440500-052CF24A (A4E1080-50)				Matrix: Drinking Water				
Batch: 24E0765								
Lead	22.8	---	0.222	ug/L	1	05/22/24 01:12	EPA 200.8	AMEND, DW-D
19440500-053CF24A (A4E1080-51)				Matrix: Drinking Water				
Batch: 24E0765								
Lead	22.6	---	0.222	ug/L	1	05/22/24 01:24	EPA 200.8	AMEND, DW-D
19440500-054CF24A (A4E1080-52)				Matrix: Drinking Water				
Batch: 24E0765								
Lead	15.0	---	0.222	ug/L	1	05/22/24 01:49	EPA 200.8	AMEND, DW-D
19440500-055CF24A (A4E1080-53)				Matrix: Drinking Water				
Batch: 24E0639								
Lead	11.0	---	0.200	ug/L	1	05/17/24 15:57	EPA 200.8	
19440500-056CF24A (A4E1080-54)				Matrix: Drinking Water				
Batch: 24E0639								

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**ANALYTICAL REPORT****AMENDED REPORT****Apex Laboratories, LLC**

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Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

PBS Engineering and Environmental

4412 S Corbett Ave

Portland, OR 97239

Project: **Scappoose School District**Project Number: **Scappoose HS/27742.000**Project Manager: **Nathan Carlson****Report ID:****A4E1080 - 05 31 24 1347****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
19440500-056CF24A (A4E1080-54)				Matrix: Drinking Water				
Lead	19.5	---	0.200	ug/L	1	05/17/24 15:59	EPA 200.8	
19440500-057CF24A (A4E1080-55)				Matrix: Drinking Water				
Batch: 24E0639								
Lead	14.3	---	0.200	ug/L	1	05/17/24 16:01	EPA 200.8	
19440500-058CF24A (A4E1080-56)				Matrix: Drinking Water				
Batch: 24E0639								
Lead	8.88	---	0.200	ug/L	1	05/17/24 16:02	EPA 200.8	
19440500-059CF24A (A4E1080-57)				Matrix: Drinking Water				
Batch: 24E0765								
Lead	17.9	---	0.222	ug/L	1	05/22/24 01:56	EPA 200.8	AMEND, DW-D
19440500-060CF24A (A4E1080-58)				Matrix: Drinking Water				
Batch: 24E0639								
Lead	22.1	---	0.200	ug/L	1	05/17/24 16:04	EPA 200.8	
19440500-063BF24A (A4E1080-61)				Matrix: Drinking Water				
Batch: 24E0639								
Lead	1.29	---	0.200	ug/L	1	05/17/24 16:06	EPA 200.8	
19440500-064BF24A (A4E1080-62)				Matrix: Drinking Water				
Batch: 24E0639								
Lead	1.58	---	0.200	ug/L	1	05/17/24 16:07	EPA 200.8	
19440500-065CF24A (A4E1080-63)				Matrix: Drinking Water				
Batch: 24E0639								
Lead	0.904	---	0.200	ug/L	1	05/17/24 16:09	EPA 200.8	
19440501-066BF24A (A4E1080-64)				Matrix: Drinking Water				
Batch: 24E0639								
Lead	1.90	---	0.200	ug/L	1	05/17/24 16:11	EPA 200.8	
19440501-067BF24A (A4E1080-65)				Matrix: Drinking Water				

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Project: **Scappoose School District**Project Number: **Scappoose HS/27742.000**Project Manager: **Nathan Carlson****Report ID:****A4E1080 - 05 31 24 1347**

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
19440501-067BF24A (A4E1080-65)				Matrix: Drinking Water				
Batch: 24E0639								
Lead	2.42	---	0.200	ug/L	1	05/17/24 16:12	EPA 200.8	
19440501-068WB24A (A4E1080-66)				Matrix: Drinking Water				
Batch: 24E0639								
Lead	ND	---	0.200	ug/L	1	05/17/24 16:18	EPA 200.8	
19440501-069DW24A (A4E1080-67)				Matrix: Drinking Water				
Batch: 24E0639								
Lead	ND	---	0.200	ug/L	1	05/17/24 16:19	EPA 200.8	
19440501-070BF24A (A4E1080-68)				Matrix: Drinking Water				
Batch: 24E0639								
Lead	7.84	---	0.200	ug/L	1	05/17/24 16:21	EPA 200.8	
19440501-071CF24A (A4E1080-69)				Matrix: Drinking Water				
Batch: 24E0639								
Lead	8.57	---	0.200	ug/L	1	05/17/24 16:23	EPA 200.8	
19440501-072CF24A (A4E1080-70)				Matrix: Drinking Water				
Batch: 24E0639								
Lead	1.08	---	0.200	ug/L	1	05/17/24 16:24	EPA 200.8	
19440501-073CF24A (A4E1080-71)				Matrix: Drinking Water				
Batch: 24E0639								
Lead	1.46	---	0.200	ug/L	1	05/17/24 16:26	EPA 200.8	
19440501-074CF24A (A4E1080-72)				Matrix: Drinking Water				
Batch: 24E0639								
Lead	4.22	---	0.200	ug/L	1	05/17/24 16:28	EPA 200.8	
19440501-075CF24A (A4E1080-73)				Matrix: Drinking Water				
Batch: 24E0639								
Lead	4.27	---	0.200	ug/L	1	05/17/24 16:30	EPA 200.8	

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ANALYTICAL SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
19440500-076KF24A (A4E1080-74)				Matrix: Drinking Water				
Batch: 24E0639								
Lead	13.2	---	0.200	ug/L	1	05/17/24 16:31	EPA 200.8	
19440500-077KF24A (A4E1080-75)				Matrix: Drinking Water				
Batch: 24E0647								
Lead	9.58	---	0.200	ug/L	1	05/17/24 16:43	EPA 200.8	
19440500-078KF24A (A4E1080-76)				Matrix: Drinking Water				
Batch: 24E0647								
Lead	7.58	---	0.200	ug/L	1	05/17/24 16:48	EPA 200.8	
19440500-079KF24A (A4E1080-77)				Matrix: Drinking Water				
Batch: 24E0647								
Lead	2.21	---	0.200	ug/L	1	05/17/24 16:50	EPA 200.8	
19440500-080KF24A (A4E1080-78)				Matrix: Drinking Water				
Batch: 24E0647								
Lead	3.73	---	0.200	ug/L	1	05/17/24 16:52	EPA 200.8	
19440500-081KF24A (A4E1080-79)				Matrix: Drinking Water				
Batch: 24E0647								
Lead	6.50	---	0.200	ug/L	1	05/17/24 16:54	EPA 200.8	
19440500-082KF24A (A4E1080-80)				Matrix: Drinking Water				
Batch: 24E0647								
Lead	1.13	---	0.200	ug/L	1	05/17/24 16:55	EPA 200.8	
19440500-083KF24A (A4E1080-81)				Matrix: Drinking Water				
Batch: 24E0647								
Lead	2.59	---	0.200	ug/L	1	05/17/24 17:00	EPA 200.8	
19440500-084KF24A (A4E1080-82)				Matrix: Drinking Water				
Batch: 24E0765								
Lead	2.26	---	0.222	ug/L	1	05/22/24 02:02	EPA 200.8	AMEND, DW-D

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ANALYTICAL SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
19440500-085BF24A (A4E1080-83)				Matrix: Drinking Water				
Batch: 24E0647								
Lead	7.32	---	0.200	ug/L	1	05/17/24 17:02	EPA 200.8	
19440500-086CF24A (A4E1080-84)				Matrix: Drinking Water				
Batch: 24E0647								
Lead	9.58	---	0.200	ug/L	1	05/17/24 17:04	EPA 200.8	
19440500-087CF24A (A4E1080-85)				Matrix: Drinking Water				
Batch: 24E0647								
Lead	2.39	---	0.200	ug/L	1	05/17/24 17:06	EPA 200.8	
19440500-088CF24A (A4E1080-86)				Matrix: Drinking Water				
Batch: 24E0647								
Lead	17.3	---	0.200	ug/L	1	05/17/24 17:07	EPA 200.8	
19440500-089DW24A (A4E1080-87)				Matrix: Drinking Water				
Batch: 24E0647								
Lead	ND	---	0.200	ug/L	1	05/17/24 17:09	EPA 200.8	
19440500-090WB24A (A4E1080-88)				Matrix: Drinking Water				
Batch: 24E0647								
Lead	ND	---	0.200	ug/L	1	05/17/24 17:11	EPA 200.8	
19440500-091SF24A (A4E1080-89)				Matrix: Drinking Water				
Batch: 24E0647								
Lead	21.4	---	0.200	ug/L	1	05/17/24 17:12	EPA 200.8	
19440500-092KF24A (A4E1080-90)				Matrix: Drinking Water				
Batch: 24E0647								
Lead	ND	---	0.200	ug/L	1	05/17/24 17:14	EPA 200.8	
19440500-093BF24A (A4E1080-91)				Matrix: Drinking Water				
Batch: 24E0647								
Lead	0.483	---	0.200	ug/L	1	05/17/24 17:16	EPA 200.8	

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**ANALYTICAL REPORT**

AMENDED 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: **Scappoose School District**Project Number: **Scappoose HS/27742.000**Project Manager: **Nathan Carlson****Report ID:****A4E1080 - 05 31 24 1347****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
19440500-094BF24A (A4E1080-92)				Matrix: Drinking Water				
Batch: 24E0647								
Lead	0.736	---	0.200	ug/L	1	05/17/24 17:21	EPA 200.8	

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Project: **Scappoose School District**Project Number: **Scappoose HS/27742.000**Project Manager: **Nathan Carlson****Report ID:****A4E1080 - 05 31 24 1347**

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 24E0588 - EPA 200.8 Direct Analysis							Drinking Water					
Blank (24E0588-BLK1)		Prepared: 05/15/24 18:19 Analyzed: 05/16/24 17:38										
EPA 200.8												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (24E0588-BS1)		Prepared: 05/15/24 18:19 Analyzed: 05/16/24 17:39										
EPA 200.8												
Lead	14.8	---	0.201	ug/L	1	15.0	---	99	85 - 115%	---	---	
Matrix Spike (24E0588-MS2)		Prepared: 05/15/24 18:19 Analyzed: 05/16/24 18:28										
QC Source Sample: 19440500-003BF24A (A4E1080-03)												
EPA 200.8												
Lead	14.6	---	0.201	ug/L	1	15.0	0.410	95	70 - 130%	---	---	
Batch 24E0629 - EPA 200.8 Direct Analysis							Drinking Water					
Blank (24E0629-BLK1)		Prepared: 05/16/24 17:32 Analyzed: 05/16/24 18:30										
EPA 200.8												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (24E0629-BS1)		Prepared: 05/16/24 17:32 Analyzed: 05/16/24 18:32										
EPA 200.8												
Lead	15.0	---	0.201	ug/L	1	15.0	---	100	85 - 115%	---	---	
Duplicate (24E0629-DUP1)		Prepared: 05/16/24 17:32 Analyzed: 05/16/24 18:35										
QC Source Sample: 19440500-004DW24A (A4E1080-04)												
EPA 200.8												
Lead	4.99	---	0.200	ug/L	1	---	5.01	---	---	0.4	20%	
Matrix Spike (24E0629-MS1)		Prepared: 05/16/24 17:32 Analyzed: 05/16/24 18:38										
QC Source Sample: 19440500-004DW24A (A4E1080-04)												
EPA 200.8												
Lead	19.8	---	0.201	ug/L	1	15.0	5.01	98	70 - 130%	---	---	
Matrix Spike (24E0629-MS2)		Prepared: 05/16/24 17:32 Analyzed: 05/16/24 19:20										
QC Source Sample: 19440500-023BF24A (A4E1080-23)												

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Jason Woodcock, Project Manager

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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: **Scappoose School District**

Project Number: **Scappoose HS/27742.000**

Project Manager: **Nathan Carlson**

Report ID:

A4E1080 - 05 31 24 1347

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 24E0629 - EPA 200.8 Direct Analysis							Drinking Water					
Matrix Spike (24E0629-MS2)		Prepared: 05/16/24 17:32 Analyzed: 05/16/24 19:20										
QC Source Sample: 19440500-023BF24A (A4E1080-23)												
EPA 200.8												
Lead	15.2	---	0.201	ug/L	1	15.0	0.990	95	70 - 130%	---	---	

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Project: **Scappoose School District**Project Number: **Scappoose HS/27742.000**Project Manager: **Nathan Carlson****Report ID:****A4E1080 - 05 31 24 1347**

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 24E0633 - EPA 200.8 Direct Analysis							Drinking Water					
Blank (24E0633-BLK1)		Prepared: 05/16/24 18:44		Analyzed: 05/17/24 14:50								
<u>EPA 200.8</u>												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (24E0633-BS1)		Prepared: 05/16/24 18:44		Analyzed: 05/17/24 14:51								
<u>EPA 200.8</u>												
Lead	15.0	---	0.201	ug/L	1	15.0	---	100	85 - 115%	---	---	
Duplicate (24E0633-DUP1)		Prepared: 05/16/24 18:44		Analyzed: 05/17/24 14:55								
<u>QC Source Sample: 19440500-024BF24A (A4E1080-24)</u>												
<u>EPA 200.8</u>												
Lead	0.307	---	0.200	ug/L	1	---	0.321	---	---	4	20%	
Matrix Spike (24E0633-MS1)		Prepared: 05/16/24 18:44		Analyzed: 05/17/24 14:57								
<u>QC Source Sample: 19440500-024BF24A (A4E1080-24)</u>												
<u>EPA 200.8</u>												
Lead	15.1	---	0.201	ug/L	1	15.0	0.321	98	70 - 130%	---	---	
Matrix Spike (24E0633-MS2)		Prepared: 05/16/24 18:44		Analyzed: 05/17/24 15:44								
<u>QC Source Sample: 19440500-045CF24A (A4E1080-43)</u>												
<u>EPA 200.8</u>												
Lead	46.5	---	0.201	ug/L	1	15.0	31.9	97	70 - 130%	---	---	

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Portland, OR 97239

Project: **Scappoose School District**Project Number: **Scappoose HS/27742.000**Project Manager: **Nathan Carlson****Report ID:****A4E1080 - 05 31 24 1347**

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 24E0639 - EPA 200.8 Direct Analysis							Drinking Water					
Blank (24E0639-BLK1)		Prepared: 05/17/24 08:18			Analyzed: 05/17/24 15:45							
<u>EPA 200.8</u>												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (24E0639-BS1)		Prepared: 05/17/24 08:18			Analyzed: 05/17/24 15:47							
<u>EPA 200.8</u>												
Lead	15.4	---	0.201	ug/L	1	15.0	---	103	85 - 115%	---	---	
Duplicate (24E0639-DUP1)		Prepared: 05/17/24 08:18			Analyzed: 05/17/24 15:50							
<u>QC Source Sample: 19440500-046SF24A (A4E1080-44)</u>												
<u>EPA 200.8</u>												
Lead	50.5	---	0.200	ug/L	1	---	50.8	---	---	0.5	20%	
Matrix Spike (24E0639-MS1)		Prepared: 05/17/24 08:18			Analyzed: 05/17/24 15:52							
<u>QC Source Sample: 19440500-046SF24A (A4E1080-44)</u>												
<u>EPA 200.8</u>												
Lead	67.3	---	0.201	ug/L	1	15.0	50.8	110	70 - 130%	---	---	
Matrix Spike (24E0639-MS2)		Prepared: 05/17/24 08:18			Analyzed: 05/17/24 16:33							
<u>QC Source Sample: 19440500-076KF24A (A4E1080-74)</u>												
<u>EPA 200.8</u>												
Lead	27.5	---	0.201	ug/L	1	15.0	13.2	95	70 - 130%	---	---	

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Project: **Scappoose School District**Project Number: **Scappoose HS/27742.000**Project Manager: **Nathan Carlson****Report ID:****A4E1080 - 05 31 24 1347**

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 24E0647 - EPA 200.8 Direct Analysis							Drinking Water					
Blank (24E0647-BLK1)		Prepared: 05/17/24 09:32			Analyzed: 05/17/24 16:40							
EPA 200.8												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (24E0647-BS1)		Prepared: 05/17/24 09:32			Analyzed: 05/17/24 16:42							
EPA 200.8												
Lead	15.0	---	0.201	ug/L	1	15.0	---	100	85 - 115%	---	---	
Duplicate (24E0647-DUP1)		Prepared: 05/17/24 09:32			Analyzed: 05/17/24 16:45							
QC Source Sample: 19440500-077KF24A (A4E1080-75)												
EPA 200.8												
Lead	9.81	---	0.200	ug/L	1	---	9.58	---	---	2	20%	
Matrix Spike (24E0647-MS1)		Prepared: 05/17/24 09:32			Analyzed: 05/17/24 16:47							
QC Source Sample: 19440500-077KF24A (A4E1080-75)												
EPA 200.8												
Lead	22.6	---	0.201	ug/L	1	15.0	9.58	87	70 - 130%	---	---	

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ORELAP ID: OR100062

PBS Engineering and Environmental

4412 S Corbett Ave

Portland, OR 97239

Project: **Scappoose School District**Project Number: **Scappoose HS/27742.000**Project Manager: **Nathan Carlson****Report ID:****A4E1080 - 05 31 24 1347****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 24E0761 - EPA 200.2							Drinking Water					
Blank (24E0761-BLK1)		Prepared: 05/21/24 15:15 Analyzed: 05/21/24 19:01										
EPA 200.8												
Lead	ND	---	0.222	ug/L	1	---	---	---	---	---	---	
LCS (24E0761-BS1)		Prepared: 05/21/24 15:15 Analyzed: 05/21/24 19:07										
EPA 200.8												
Lead	17.7	---	0.222	ug/L	1	16.7	---	106	85 - 115%	---	---	

No Client related Batch QC samples analyzed for this batch. See notes page for more information.

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Portland, OR 97239

Project: **Scappoose School District**Project Number: **Scappoose HS/27742.000**Project Manager: **Nathan Carlson****Report ID:****A4E1080 - 05 31 24 1347**

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 24E0765 - EPA 200.2						Drinking Water						
Blank (24E0765-BLK1)		Prepared: 05/21/24 16:25 Analyzed: 05/22/24 00:59										
EPA 200.8												
Lead	ND	---	0.222	ug/L	1	---	---	---	---	---	---	AMEND
LCS (24E0765-BS1)		Prepared: 05/21/24 16:25 Analyzed: 05/22/24 01:05										
EPA 200.8												
Lead	16.4	---	0.222	ug/L	1	16.7	---	99	85 - 115%	---	---	AMEND
Duplicate (24E0765-DUP1)		Prepared: 05/21/24 16:25 Analyzed: 05/22/24 01:18										
QC Source Sample: 19440500-052CF24A (A4E1080-50)												
EPA 200.8												
Lead	22.1	---	0.222	ug/L	1	---	22.8	---	---	3	20%	AMEND, DW-D
Matrix Spike (24E0765-MS1)		Prepared: 05/21/24 16:25 Analyzed: 05/22/24 01:43										
QC Source Sample: 19440500-053CF24A (A4E1080-51)												
EPA 200.8												
Lead	38.5	---	0.222	ug/L	1	16.7	22.6	96	70 - 130%	---	---	AMEND, DW-D

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Jason Woodcock, Project Manager

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Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 24E0761</u>							
A4E1080-45	Drinking Water	EPA 200.8	04/17/24 00:00	05/21/24 15:15	45mL/50mL	10mL/10mL	1.11
A4E1080-46	Drinking Water	EPA 200.8	04/17/24 00:00	05/21/24 15:15	45mL/50mL	10mL/10mL	1.11
A4E1080-47	Drinking Water	EPA 200.8	04/17/24 00:00	05/21/24 15:15	45mL/50mL	10mL/10mL	1.11
A4E1080-48	Drinking Water	EPA 200.8	04/17/24 00:00	05/21/24 15:15	45mL/50mL	10mL/10mL	1.11
A4E1080-49	Drinking Water	EPA 200.8	04/17/24 00:00	05/21/24 15:15	45mL/50mL	10mL/10mL	1.11
<u>Batch: 24E0765</u>							
A4E1080-50	Drinking Water	EPA 200.8	04/17/24 00:00	05/21/24 16:25	45mL/50mL	10mL/10mL	1.11
A4E1080-51	Drinking Water	EPA 200.8	04/17/24 00:00	05/21/24 16:25	45mL/50mL	10mL/10mL	1.11
A4E1080-52	Drinking Water	EPA 200.8	04/17/24 00:00	05/21/24 16:25	45mL/50mL	10mL/10mL	1.11
A4E1080-57	Drinking Water	EPA 200.8	04/17/24 00:00	05/21/24 16:25	45mL/50mL	10mL/10mL	1.11
A4E1080-82	Drinking Water	EPA 200.8	05/02/24 00:00	05/21/24 16:25	45mL/50mL	10mL/10mL	1.11

Prep: EPA 200.8 Direct Analysis

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 24E0588</u>							
A4E1080-01	Drinking Water	EPA 200.8	04/17/24 00:00	05/15/24 18:19	10mL/10mL	10mL/10mL	1.00
A4E1080-02	Drinking Water	EPA 200.8	04/17/24 00:00	05/15/24 18:19	10mL/10mL	10mL/10mL	1.00
A4E1080-03	Drinking Water	EPA 200.8	04/17/24 00:00	05/15/24 18:19	10mL/10mL	10mL/10mL	1.00
<u>Batch: 24E0629</u>							
A4E1080-04	Drinking Water	EPA 200.8	04/17/24 00:00	05/16/24 17:32	10mL/10mL	10mL/10mL	1.00
A4E1080-05	Drinking Water	EPA 200.8	04/17/24 00:00	05/16/24 17:32	10mL/10mL	10mL/10mL	1.00
A4E1080-06	Drinking Water	EPA 200.8	04/17/24 00:00	05/16/24 17:32	10mL/10mL	10mL/10mL	1.00
A4E1080-07	Drinking Water	EPA 200.8	04/17/24 00:00	05/16/24 17:32	10mL/10mL	10mL/10mL	1.00
A4E1080-08	Drinking Water	EPA 200.8	04/17/24 00:00	05/16/24 17:32	10mL/10mL	10mL/10mL	1.00
A4E1080-09	Drinking Water	EPA 200.8	04/17/24 00:00	05/16/24 17:32	10mL/10mL	10mL/10mL	1.00
A4E1080-10	Drinking Water	EPA 200.8	04/17/24 00:00	05/16/24 17:32	10mL/10mL	10mL/10mL	1.00
A4E1080-11	Drinking Water	EPA 200.8	04/17/24 00:00	05/16/24 17:32	10mL/10mL	10mL/10mL	1.00
A4E1080-12	Drinking Water	EPA 200.8	04/17/24 00:00	05/16/24 17:32	10mL/10mL	10mL/10mL	1.00
A4E1080-13	Drinking Water	EPA 200.8	04/17/24 00:00	05/16/24 17:32	10mL/10mL	10mL/10mL	1.00
A4E1080-14	Drinking Water	EPA 200.8	04/17/24 00:00	05/16/24 17:32	10mL/10mL	10mL/10mL	1.00
A4E1080-15	Drinking Water	EPA 200.8	04/17/24 00:00	05/16/24 17:32	10mL/10mL	10mL/10mL	1.00
A4E1080-16	Drinking Water	EPA 200.8	04/17/24 00:00	05/16/24 17:32	10mL/10mL	10mL/10mL	1.00
A4E1080-17	Drinking Water	EPA 200.8	04/17/24 00:00	05/16/24 17:32	10mL/10mL	10mL/10mL	1.00
A4E1080-18	Drinking Water	EPA 200.8	04/17/24 00:00	05/16/24 17:32	10mL/10mL	10mL/10mL	1.00
A4E1080-19	Drinking Water	EPA 200.8	04/17/24 00:00	05/16/24 17:32	10mL/10mL	10mL/10mL	1.00

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Jason Woodcock, Project Manager

**ANALYTICAL REPORT****AMENDED 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: **Scappoose School District**Project Number: **Scappoose HS/27742.000**Project Manager: **Nathan Carlson****Report ID:****A4E1080 - 05 31 24 1347****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
A4E1080-20	Drinking Water	EPA 200.8	04/17/24 00:00	05/16/24 17:32	10mL/10mL	10mL/10mL	1.00
A4E1080-21	Drinking Water	EPA 200.8	04/17/24 00:00	05/16/24 17:32	10mL/10mL	10mL/10mL	1.00
A4E1080-22	Drinking Water	EPA 200.8	04/17/24 00:00	05/16/24 17:32	10mL/10mL	10mL/10mL	1.00
A4E1080-23	Drinking Water	EPA 200.8	04/17/24 00:00	05/16/24 17:32	10mL/10mL	10mL/10mL	1.00
<u>Batch: 24E0633</u>							
A4E1080-24	Drinking Water	EPA 200.8	04/17/24 00:00	05/16/24 18:44	10mL/10mL	10mL/10mL	1.00
A4E1080-25	Drinking Water	EPA 200.8	04/17/24 00:00	05/16/24 18:44	10mL/10mL	10mL/10mL	1.00
A4E1080-26	Drinking Water	EPA 200.8	04/17/24 00:00	05/16/24 18:44	10mL/10mL	10mL/10mL	1.00
A4E1080-27	Drinking Water	EPA 200.8	04/17/24 00:00	05/16/24 18:44	10mL/10mL	10mL/10mL	1.00
A4E1080-28	Drinking Water	EPA 200.8	04/17/24 00:00	05/16/24 18:44	10mL/10mL	10mL/10mL	1.00
A4E1080-29	Drinking Water	EPA 200.8	04/17/24 00:00	05/16/24 18:44	10mL/10mL	10mL/10mL	1.00
A4E1080-30	Drinking Water	EPA 200.8	04/17/24 00:00	05/16/24 18:44	10mL/10mL	10mL/10mL	1.00
A4E1080-31	Drinking Water	EPA 200.8	04/17/24 00:00	05/16/24 18:44	10mL/10mL	10mL/10mL	1.00
A4E1080-32	Drinking Water	EPA 200.8	04/17/24 00:00	05/16/24 18:44	10mL/10mL	10mL/10mL	1.00
A4E1080-33	Drinking Water	EPA 200.8	04/17/24 00:00	05/16/24 18:44	10mL/10mL	10mL/10mL	1.00
A4E1080-34	Drinking Water	EPA 200.8	04/17/24 00:00	05/16/24 18:44	10mL/10mL	10mL/10mL	1.00
A4E1080-35	Drinking Water	EPA 200.8	04/17/24 00:00	05/16/24 18:44	10mL/10mL	10mL/10mL	1.00
A4E1080-36	Drinking Water	EPA 200.8	04/17/24 00:00	05/16/24 18:44	10mL/10mL	10mL/10mL	1.00
A4E1080-37	Drinking Water	EPA 200.8	04/17/24 00:00	05/16/24 18:44	10mL/10mL	10mL/10mL	1.00
A4E1080-38	Drinking Water	EPA 200.8	04/17/24 00:00	05/16/24 18:44	10mL/10mL	10mL/10mL	1.00
A4E1080-39	Drinking Water	EPA 200.8	04/17/24 00:00	05/16/24 18:44	10mL/10mL	10mL/10mL	1.00
A4E1080-40	Drinking Water	EPA 200.8	04/17/24 00:00	05/16/24 18:44	10mL/10mL	10mL/10mL	1.00
A4E1080-41	Drinking Water	EPA 200.8	04/17/24 00:00	05/16/24 18:44	10mL/10mL	10mL/10mL	1.00
A4E1080-42	Drinking Water	EPA 200.8	04/17/24 00:00	05/16/24 18:44	10mL/10mL	10mL/10mL	1.00
A4E1080-43	Drinking Water	EPA 200.8	04/17/24 00:00	05/16/24 18:44	10mL/10mL	10mL/10mL	1.00
<u>Batch: 24E0639</u>							
A4E1080-44	Drinking Water	EPA 200.8	04/17/24 00:00	05/17/24 08:18	10mL/10mL	10mL/10mL	1.00
A4E1080-53	Drinking Water	EPA 200.8	04/17/24 00:00	05/17/24 08:18	10mL/10mL	10mL/10mL	1.00
A4E1080-54	Drinking Water	EPA 200.8	04/17/24 00:00	05/17/24 08:18	10mL/10mL	10mL/10mL	1.00
A4E1080-55	Drinking Water	EPA 200.8	04/17/24 00:00	05/17/24 08:18	10mL/10mL	10mL/10mL	1.00
A4E1080-56	Drinking Water	EPA 200.8	04/17/24 00:00	05/17/24 08:18	10mL/10mL	10mL/10mL	1.00
A4E1080-58	Drinking Water	EPA 200.8	04/17/24 00:00	05/17/24 08:18	10mL/10mL	10mL/10mL	1.00
A4E1080-61	Drinking Water	EPA 200.8	04/17/24 00:00	05/17/24 08:18	10mL/10mL	10mL/10mL	1.00
A4E1080-62	Drinking Water	EPA 200.8	04/17/24 00:00	05/17/24 08:18	10mL/10mL	10mL/10mL	1.00
A4E1080-63	Drinking Water	EPA 200.8	04/17/24 00:00	05/17/24 08:18	10mL/10mL	10mL/10mL	1.00
A4E1080-64	Drinking Water	EPA 200.8	04/17/24 00:00	05/17/24 08:18	10mL/10mL	10mL/10mL	1.00

Apex Laboratories

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Jason Woodcock, Project Manager

**ANALYTICAL REPORT****AMENDED 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: **Scappoose School District**Project Number: **Scappoose HS/27742.000**Project Manager: **Nathan Carlson****Report ID:****A4E1080 - 05 31 24 1347****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
A4E1080-65	Drinking Water	EPA 200.8	04/17/24 00:00	05/17/24 08:18	10mL/10mL	10mL/10mL	1.00
A4E1080-66	Drinking Water	EPA 200.8	04/17/24 00:00	05/17/24 08:18	10mL/10mL	10mL/10mL	1.00
A4E1080-67	Drinking Water	EPA 200.8	04/17/24 00:00	05/17/24 08:18	10mL/10mL	10mL/10mL	1.00
A4E1080-68	Drinking Water	EPA 200.8	04/17/24 00:00	05/17/24 08:18	10mL/10mL	10mL/10mL	1.00
A4E1080-69	Drinking Water	EPA 200.8	04/17/24 00:00	05/17/24 08:18	10mL/10mL	10mL/10mL	1.00
A4E1080-70	Drinking Water	EPA 200.8	04/17/24 00:00	05/17/24 08:18	10mL/10mL	10mL/10mL	1.00
A4E1080-71	Drinking Water	EPA 200.8	04/17/24 00:00	05/17/24 08:18	10mL/10mL	10mL/10mL	1.00
A4E1080-72	Drinking Water	EPA 200.8	04/17/24 00:00	05/17/24 08:18	10mL/10mL	10mL/10mL	1.00
A4E1080-73	Drinking Water	EPA 200.8	04/17/24 00:00	05/17/24 08:18	10mL/10mL	10mL/10mL	1.00
A4E1080-74	Drinking Water	EPA 200.8	05/02/24 00:00	05/17/24 08:18	10mL/10mL	10mL/10mL	1.00
<u>Batch: 24E0647</u>							
A4E1080-75	Drinking Water	EPA 200.8	05/02/24 00:00	05/17/24 09:32	10mL/10mL	10mL/10mL	1.00
A4E1080-76	Drinking Water	EPA 200.8	05/02/24 00:00	05/17/24 09:32	10mL/10mL	10mL/10mL	1.00
A4E1080-77	Drinking Water	EPA 200.8	05/02/24 00:00	05/17/24 09:32	10mL/10mL	10mL/10mL	1.00
A4E1080-78	Drinking Water	EPA 200.8	05/02/24 00:00	05/17/24 09:32	10mL/10mL	10mL/10mL	1.00
A4E1080-79	Drinking Water	EPA 200.8	05/02/24 00:00	05/17/24 09:32	10mL/10mL	10mL/10mL	1.00
A4E1080-80	Drinking Water	EPA 200.8	05/02/24 00:00	05/17/24 09:32	10mL/10mL	10mL/10mL	1.00
A4E1080-81	Drinking Water	EPA 200.8	05/02/24 00:00	05/17/24 09:32	10mL/10mL	10mL/10mL	1.00
A4E1080-83	Drinking Water	EPA 200.8	05/02/24 00:00	05/17/24 09:32	10mL/10mL	10mL/10mL	1.00
A4E1080-84	Drinking Water	EPA 200.8	05/02/24 00:00	05/17/24 09:32	10mL/10mL	10mL/10mL	1.00
A4E1080-85	Drinking Water	EPA 200.8	05/02/24 00:00	05/17/24 09:32	10mL/10mL	10mL/10mL	1.00
A4E1080-86	Drinking Water	EPA 200.8	05/02/24 00:00	05/17/24 09:32	10mL/10mL	10mL/10mL	1.00
A4E1080-87	Drinking Water	EPA 200.8	05/02/24 00:00	05/17/24 09:32	10mL/10mL	10mL/10mL	1.00
A4E1080-88	Drinking Water	EPA 200.8	05/02/24 00:00	05/17/24 09:32	10mL/10mL	10mL/10mL	1.00
A4E1080-89	Drinking Water	EPA 200.8	05/02/24 00:00	05/17/24 09:32	10mL/10mL	10mL/10mL	1.00
A4E1080-90	Drinking Water	EPA 200.8	05/02/24 00:00	05/17/24 09:32	10mL/10mL	10mL/10mL	1.00
A4E1080-91	Drinking Water	EPA 200.8	05/02/24 00:00	05/17/24 09:32	10mL/10mL	10mL/10mL	1.00
A4E1080-92	Drinking Water	EPA 200.8	05/02/24 00:00	05/17/24 09:32	10mL/10mL	10mL/10mL	1.00

Apex Laboratories

Jason Woodcock, Project Manager

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ANALYTICAL REPORT

AMENDED 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: Scappoose School District

Project Number: Scappoose HS/27742.000

Project Manager: Nathan Carlson

Report ID:

A4E1080 - 05 31 24 1347

QUALIFIER DEFINITIONS

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

Apex Laboratories

- AMEND** The Result, Reporting Level, Recovery and/or RPD has changed. Note: Batch QC marked as AMENDED may or may not have been issued prior to the change. Case Narrative included if client data is affected.
- DW-D** Turbidity greater than 1 NTU. Sample was digested per EPA Method 200.8.

Apex Laboratories

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Jason Woodcock, Project Manager



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A4E1080 - 05 31 24 1347

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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Apex Laboratories, LLC

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Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

PBS Engineering and Environmental

4412 S Corbett Ave

Portland, OR 97239

Project: **Scappoose School District**

Project Number: **Scappoose HS/27742.000**

Project Manager: **Nathan Carlson**

Report ID:

A4E1080 - 05 31 24 1347

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.

Apex Laboratories

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Jason Woodcock, Project Manager

**ANALYTICAL REPORT****AMENDED 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: **Scappoose School District**Project Number: **Scappoose HS/27742.000**Project Manager: **Nathan Carlson****Report ID:****A4E1080 - 05 31 24 1347****LABORATORY ACCREDITATION INFORMATION****ORELAP Certification ID: OR100062 (Primary Accreditation)****EPA ID: OR01039**

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

Apex Laboratories

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

Secondary Accreditations

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

Subcontract Laboratory Accreditations

Subcontracted data falls outside of Apex Laboratories' Scope of Accreditation.

Please see the Subcontract Laboratory report for full details, or contact your Project Manager for more information.

Field Testing Parameters

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

Apex Laboratories

Jason Woodcock, Project Manager

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Portland, OR 97239

Project: **Scappoose School District**Project Number: **Scappoose HS/27742.000**Project Manager: **Nathan Carlson****Report ID:****A4E1080 - 05 31 24 1347****LEAD IN DRINKING WATER CHAIN OF CUSTODY**

A4E1080

Project : Scappoose SD – Scappoose High School Project No: 27742.000 Phase: _____ Task: _____Samples **submitted** undamaged to lab by: Name/Sign: John Yuly Date: 5/6/2024 Time: _____Samples **received** by lab undamaged: Name/Sign: Andy Mariposa Date: 5/7/24 Time: 12:50Lab APEX
(specify)Turnaround time (check one): ☐ 5 days ☒ 10 daysSend Results to: nathan.carlson@pbsusa.com; john.yuly@pbsusa.com

SAMPLE #	DATE	BUILDING	ROOM	DESCRIPTION
19440500-001SF24A	4/17/2024	MAIN	BOYS LOCKER ROOM, STAFF BATHROOM	
19440500-002DW24A	4/17/2024	MAIN	BOYS LOCKER ROOM, DRINKING FOUNTAIN	
19440500-003BF24A	4/17/2024	MAIN	BOYS LOCKER ROOM, BATHROOM FAUCET	
19440500-004DW24A	4/17/2024	MAIN	GIRLS LOCKER ROOM, DRINKING FOUNTAIN	
19440500-005BF24A	4/17/2024	MAIN	GIRLS LOCKER ROOM, STAFF BATHROOM	
19440500-006BF24A	4/17/2024	MAIN	GIRLS LOCKER ROOM, BATHROOM FAUCET BY TOILETS	
19440500-007BF24A	4/17/2024	MAIN	F HALL WOMENS STAFF RESTROOM	
19440500-008SF24A	4/17/2024	MAIN	F HALL CUSTODIAL OFFICE	
19440500-009DW24A	4/17/2024	MAIN	STAFF WORKROOM, DRINKING FOUNTAIN	
19440500-010SF24A	4/17/2024	MAIN	STAFF WORKROOM, STAFF SINK FAUCET	
19440500-011SF24A	4/17/2024	MAIN	F HALL MENS STAFF BATHROOM	
19440500-012WB24A	4/17/2024	MAIN	F HALL, BY GIRLS BATHROOM, WATER BOTTLE FILLER	
19440500-013DW24A	4/17/2024	MAIN	F HALL, BY GIRLS BATHROOM, DRINKING FOUNTAIN	
19440500-014BF24A	4/17/2024	MAIN	F HALL GIRLS BATHROOM	
19440500-015WB24A	4/17/2024	MAIN	DRINKING FOUNTAIN F HALL BY BOYS RESTROOM, WATER BOTTLE FILLER	
19440500-016DW24A	4/17/2024	MAIN	DRINKING FOUNTAIN F HALL BY BOYS RESTROOM, DRINKING FOUNTAIN	
19440500-017BF24A	4/17/2024	MAIN	F HALL BOYS RESTROOM	LEFT
19440500-018BF24A	4/17/2024	MAIN	F HALL BOYS RESTROOM	RIGHT
19440500-019SF24A	4/17/2024	MAIN	MAIN OFFICE MAIL ROOM, STAFF FAUCET	
19440500-020DW24A	4/17/2024	MAIN	MAIN ENTRANCE, DRINKING FOUNTAIN BY DOOR	LEFT
19440500-021DW24A	4/17/2024	MAIN	MAIN ENTRANCE, DRINKING FOUNTAIN BY DOOR	RIGHT
19440500-022BF24A	4/17/2024	MAIN	MAIN ENTRANCE BATHROOM, BOYS	LEFT
19440500-023BF24A	4/17/2024	MAIN	MAIN ENTRANCE BATHROOM, BOYS	RIGHT
19440500-024BF24A	4/17/2024	MAIN	MAIN ENTRANCE BATHROOM, GIRLS	LEFT
19440500-025BF24A	4/17/2024	MAIN	MAIN ENTRANCE BATHROOM, GIRLS	CENTER

Apex Laboratories

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503-718-2323

ORELAP ID: OR100062

PBS Engineering and Environmental

4412 S Corbett Ave

Portland, OR 97239

Project: **Scappoose School District**

Project Number: **Scappoose HS/27742.000**

Project Manager: **Nathan Carlson**

Report ID:

A4E1080 - 05 31 24 1347



A4E1080

19440500-026BF24A	4/17/2024	MAIN	MAIN ENTRANCE BATHROOM, GIRLS	RIGHT
19440500-0275F24A	4/17/2024	MAIN	LIBRARY WORKROOM, STAFF FAUCET	
19440500-028NS24A	4/17/2024	MAIN	NURSES OFFICE FAUCET	
19440500-029BF24A	4/17/2024	MAIN	NURSES OFFICE, BATHROOM FAUCET	
19440500-030SF24A	4/17/2024	MAIN	COPY ROOM, STAFF FAUCET	
19440500-031WB24A	4/17/2024	MAIN	G HALL BY WOMENS, WATER BOTTLE FILLER	
19440500-032DW24A	4/17/2024	MAIN	G HALL BY WOMENS, DRINKING FOUNTAIN	
19440500-033BF24A	4/17/2024	MAIN	G HALL WOMENS STAFF, BATHROOM FAUCET	
19440500-034BF24A	4/17/2024	MAIN	G HALL WOMENS, BATHROOM FAUCET	
19440500-035BF24A	4/17/2024	MAIN	G HALL, STAFF MENS BATHROOM FAUCET	
19440500-036BF24A	4/17/2024	MAIN	G HALL, BOYS BATHROOM FAUCET	
19440500-037WB24A	4/17/2024	MAIN	SAMPLE NOT SUBMITTED, REPLACED BY SAMPLE 89	NOT SUBMITTED
19440500-038DW24A	4/17/2024	MAIN	SAMPLE NOT SUBMITTED, REPLACED BY SAMPLE 90	NOT SUBMITTED
19440500-039BF24A	4/17/2024	MAIN	STAFF RESTROOM LEFT D HALL	
19440500-040DW24A	4/17/2024	MAIN	BETWEEN STAFF RESTROOM D HALL	LEFT
19440500-041DW24A	4/17/2024	MAIN	BETWEEN STAFF RESTROOM D HALL	RIGHT
19440500-042BF24A	4/17/2024	MAIN	STAFF RESTROOM RIGHT	
19440500-043CF24A	4/17/2024	MAIN	C3 SCIENCE, NORTH SIDE CLASSROOM FAUCET	
19440500-044CF24A	4/17/2024	MAIN	C3 SCIENCE, NORTHWEST SIDE CLASSROOM FAUCET	
19440500-045CF24A	4/17/2024	MAIN	C3 SCIENCE, SOUTHWEST SIDE CLASSROOM FAUCET	
19440500-046SF24A	4/17/2024	MAIN	C3-C4 STORAGE, STAFF FAUCET	
19440500-047CF24A	4/17/2024	MAIN	C2 SCIENCE CLASSROOM, TEACHERS ISLAND FAUCET	
19440500-048CF24A	4/17/2024	MAIN	C2 SCIENCE CLASSROOM, NORTH CORNER FAUCET	
19440500-049CF24A	4/17/2024	MAIN	C2 SCIENCE CLASSROOM, NORTHEAST CORNER MIDDLE FAUCET	
19440500-050CF24A	4/17/2024	MAIN	C2 SCIENCE CLASSROOM, NORTHEAST WALL RIGHT FAUCET	
19440500-051CF24A	4/17/2024	MAIN	C2 SCIENCE CLASSROOM, EAST WALL	
19440500-052CF24A	4/17/2024	MAIN	C2 SCIENCE CLASSROOM, SOUTH CORNER	
19440500-053CF24A	4/17/2024	MAIN	C2 SCIENCE CLASSROOM, SOUTHWEST WALL MIDDLE	
19440500-054CF24A	4/17/2024	MAIN	C2 SCIENCE CLASSROOM, WEST CORNER	
19440500-055CF24A	4/17/2024	MAIN	C1 SCIENCE CLASSROOM, SOUTHEAST CORNER	
19440500-056CF24A	4/17/2024	MAIN	C1 SCIENCE CLASSROOM, SOUTH WALL	
19440500-057CF24A	4/17/2024	MAIN	C1 SCIENCE CLASSROOM, SOUTHWEST CORNER	
19440500-058CF24A	4/17/2024	MAIN	C1 SCIENCE CLASSROOM, WEST WALL	
19440500-059CF24A	4/17/2024	MAIN	C1 SCIENCE CLASSROOM, NORTHWEST CORNER	
19440500-060CF24A	4/17/2024	MAIN	C1 SCIENCE CLASSROOM, WEST WALL	

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4412 S Corbett Ave

Portland, OR 97239

Project: **Scappoose School District**Project Number: **Scappoose HS/27742.000**Project Manager: **Nathan Carlson****Report ID:****A4E1080 - 05 31 24 1347**

A4E1080

19440500-061CF24A	4/17/2024	MAIN	C1 SCIENCE CLASSROOM, NORTHEAST CORNER	OUT OF ORDER, SAMPLE NOT SUBMITTED
19440500-062CF24A	4/17/2024	MAIN	C1 SCIENCE CLASSROOM, TEACHERS ISLAND	OUT OF ORDER, SAMPLE NOT SUBMITTED
19440500-063BF24A	4/17/2024	MAIN	WOMENS DRESSING ROOM, BATHROOM	
19440500-064BF24A	4/17/2024	MAIN	MENS DRESSING ROOM, BATHROOM	
19440500-065CF24A	4/17/2024	MAIN	MAIN DRESSING ROOM FAUCET	
19440501-066BF24A	4/17/2024	S HALL	S HALL, BOYS BATHROOM FAUCET	
19440501-067BF24A	4/17/2024	S HALL	S HALL, GIRLS BATHROOM FAUCET	
19440501-068WB24A	4/17/2024	S HALL	S HALL BY BATHROOM, WATER BOTTLE FILLER	
19440501-069DW24A	4/17/2024	S HALL	S HALL BY BATHROOM, DRINKING FOUNTAIN	
19440501-070BF24A	4/17/2024	S HALL	S HALL STAFF BATHROOM	
19440501-071CF24A	4/17/2024	S HALL	S-3 MEDIA CLASSROOM FAUCET	
19440501-072CF24A	4/17/2024	S HALL	ART S2 LEFT	
19440501-073CF24A	4/17/2024	S HALL	ART S2 RIGHT	
19440501-074CF24A	4/17/2024	S HALL	ART S1 1ST ISLAND, EAST	
19440501-075CF24A	4/17/2024	S HALL	ART S1 2ND ISLAND, WEST	
19440500-076KF24A	5/2/2024	MAIN	NORTH HANDWASH (NOT 1ST DRAW, NOT FLUSHED)	
19440500-077KF24A	5/2/2024	MAIN	EAST WALL PREP SINK	
19440500-078KF24A	5/2/2024	MAIN	SOUTHEAST PREP SINK	
19440500-079KF24A	5/2/2024	MAIN	SOUTH WALL, CENTER PREP NOZZLE	
19440500-080KF24A	5/2/2024	MAIN	SOUTH WALL, CENTER PREP FAUCET	
19440500-081KF24A	5/2/2024	MAIN	SOUTH WALL, WEST PREP SINK (NOT 1ST DRAW, LEAKING)	
19440500-082KF24A	5/2/2024	MAIN	CENTRAL HOT POT FAUCET	
19440500-083KF24A	5/2/2024	MAIN	CENTRAL HOT POT NOZZLE	
19440500-084KF24A	5/2/2024	MAIN	NORTHWEST DISH ROOM NOZZLE	
19440500-085BF24A	5/2/2024	MAIN	KITCHEN RESTROOM HANDWASH	
19440500-086CF24A	5/2/2024	MAIN	D2 NORTHWEST SINK	
19440500-087CF24A	5/2/2024	MAIN	D2 NORTHEAST SINK (NOT 1ST DRAW, LEAKING)	
19440500-088CF24A	5/2/2024	MAIN	D2 SOUTH SINK	
19440500-089DW24A	5/2/2024	MAIN	G HALL SOUTH DRINKING FOUNTAIN	
19440500-090WB24A	5/2/2024	MAIN	G HALL SOUTH WATER BOTTLE FILLER	
19440500-091SF24A	5/2/2024	MAIN	C2/C1 BUBBLE ROOM	
19440500-092KF24A	5/2/2024	MODULAR 2	M2 KITCHEN SINK	
19440500-093BF24A	5/2/2024	MODULAR 2	M2 RESTROOM	
19440500-094BF24A	5/2/2024	MODULAR 1	M1 RESTROOM	

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.



ANALYTICAL REPORT

AMENDED 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: **Scappoose School District**Project Number: **Scappoose HS/27742.000**Project Manager: **Nathan Carlson****Report ID:****A4E1080 - 05 31 24 1347****APEX LABS COOLER RECEIPT FORM**Client: **PBS** Element WO#: A4 **E1080**Project/Project #: **Scappoose SD-Scappoose High School / 27742.000****Delivery Info:**Date/time received: **5/7/24 @ 12:50** By: **AJM**Delivered by: Apex ☒ Client ☐ ESS ☐ FedEx ☐ UPS ☐ Radio ☐ Morgan ☐ SDS ☐ Evergreen ☐ Other ☐From USDA Regulated Origin? Yes ☐ No ☒**Cooler Inspection** Date/time inspected: **5/7/24 @ 14:20** By: **AJM**Chain of Custody included? Yes ☒ No ☐Signed/dated by client? Yes ☒ No ☐Contains USDA Reg. Soils? Yes ☒ No ☒ Unsure (email RegSoils) ☐Cooler #1 **2.3** Cooler #2 Cooler #3 Cooler #4 Cooler #5 Cooler #6 Cooler #7

Temperature (°C)

Custody seals? (Y/N) **N**Received on ice? (Y/N) **N**Temp. blanks? (Y/N) **N**Ice type: (Gel/Real/Other) **None**Condition (In/Out): **Out**Cooler out of temp? ☒ (Y/N) Possible reason why: **Drinking water**Green dots applied to out of temperature samples? Yes ☒ No ☐Out of temperature samples form initiated? Yes ☒ No ☐**Sample Inspection:** Date/time inspected: **5/7/24 @ 12:05** By: **JS**All samples intact? Yes ☒ No ☐ Comments:Bottle labels/COCs agree? Yes ☐ No ☒ Comments: **Samples missing prefix 19440500/19440501 & suffix 24A. See form**COC/container discrepancies form initiated? Yes ☒ No ☐ Suffix **24A** **for 38 5/10/24**Containers/volumes received appropriate for analysis? Yes ☒ No ☐ Comments:Do VOA vials have visible headspace? Yes ☐ No ☐ NA ☒

Comments:

Water samples: pH checked: Yes ☒ No ☐ NA ☐ pH appropriate? Yes ☒ No ☐ NA ☐ pH ID: **A23112**

Comments:

Labeled by:

JS

Witness:

AJM

Cooler Inspected by:

JS **for 38 5/10/24**

Form Y-003 R-02

Apex Laboratories

Jason Woodcock, Project Manager

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