Limited Lead in Water Assessment

Longview Public Schools Longview, Washington Olympic Elementary



Assessment Date(s): February 16, 2022

Report Date: March 7, 2022

Prepared for: Jason Reetz, Facilities Manager

Longview Public Schools

Facility Owner/Operator: Longview Public Schools



Prepared By:





Limited Lead in Water Assessment

Introduction

Sterling Technologies (Sterling) has recently completed a limited lead-in-drinking water screening of the Olympic Elementary School, Longview School District, located at 1324 30th Avenue, Longview, Washington. The purpose of the investigation was to identify the levels of lead in the various sources of drinking water throughout the elementary school. Sample locations included drinking water fountains, classroom sink water faucets, and restroom water faucets, and kitchen water faucets.

Background

The school district may be considered a water supply system from a water distribution perspective and may need to comply with the federal guidelines for water monitoring as specified in the Lead & Copper Rule (Federal Register: June 30, 1994, Part 5. 40 CFR Parts 141 and 142; Drinking Water; Maximum Contaminant Level Goals and National Primary Drinking Water Regulations for Lead and Copper) and may be compelled to monitor the drinking water within the district on an ongoing basis, after an effective treatment approach is implemented (56FR 26460 – Lead Copper Rule). Within 30 days of learning the lead level results, all systems must provide individual lead tap results to people who receive water from sites that were sampled, regardless of whether the results exceed the Lead Action Level, as required by 40 CFR 141.85(d).

Results Summary

Water samples were collected from 49 drinking water sources at the school. 48 samples were found to <u>NOT</u> contain elevated lead levels (Below 15 ppb). 1 sample was found to contain elevated lead levels (Above 15 ppb).

Sampling

The samples were collected by EPA accredited inspectors provided by Sterling. Samples included representative amounts of water. The lead-in-water samples were analyzed by Apex Laboratories by EPA Method 200.8. The sampling guidelines followed were based on the federal school standard with emphasis on the Lead Copper Rule for sampling sites chosen.

Report continued on the next page...



Assessment Results

Analytical Results: Lead-in-Drinking Water

Item	Sample ID.	Location	Result (µ/L)
1	OES-1-F	Classroom #1, Sink Faucet	0.555
2	OES-1-G	Classroom #1, Girls Bathroom, Sink Faucet	0.790
3	OES-1-B	Classroom #1, Boys Bathroom, Sink Faucet	0.541
4	OES-2-F	Classroom #2, Sink Faucet	0.324
5	OES-3-F	Classroom #3, Sink Faucet	0.502
6	OES-4-F	Classroom #4, Sink Faucet	2.08
7	OES-5-F	Classroom #5, Sink Faucet	0.922
8	OES-6-F	Classroom #6, Sink Faucet	0.748
9	OES-7-F	Classroom #7, Sink Faucet	0.339
10	OES-8-F	Classroom #8, Sink Faucet	0.334
11	OES-9-F	Classroom #9, Sink Faucet	0.318
12	OES-10-F	Classroom #10, Sink Faucet	ND
13	OES-11-F	Classroom #11, Sink Faucet	ND
14	OES-13-F	Classroom #13, Sink Faucet	1.35
15	OES-14-F	Classroom #14, Sink Faucet	1.78
16	OES-14-RR	Classroom #14, Bathroom, Sink Faucet	0.934
17	OES-15-F	Classroom #15, Sink Faucet	3.08
18	OES-16-F	Classroom #16, Sink Faucet	0.261
19	OES-16-GF	Classroom #16, Girls Bathroom, Sink Faucet	0.899
20	OES-16-BF	Classroom #16, Boys Bathroom, Sink Faucet	1.70
21	OES-17-F	Classroom #17, Sink Faucet	0.365
22	OES-17-RR	Classroom # 17, Bathroom Sink Faucet	1.50
23	OES-18-F	Classroom #18, Sink Faucet	0.622
24	OES-18-GF	Classroom #18 Girls Bathroom, Sink Faucet	0.617
25	OES-19-F	Classroom #19, Sink Faucet	0.221
26	OES-19-BF	Classroom #19, Boys Bathroom, Sink Faucet	0.926
27	OES-22-RR	Classroom #22, Bathroom, Sink Faucet	4.47
28	OES-C-F	Copy Room, Sink Faucet	0.550
29	OES-L-F	Library, Sink Faucet	0.763
30	OES-LO-F	Library Office, Sink Faucet	0.276
31	OES-N-F	Nurses Office, Sink Faucet	ND
32	OES-N-DW	Nurses Office, Drinking Fountain	ND

ND = Non-Detect

Analytical Results continued on the next page...



Analytical Results: Lead-in-Drinking Water (continued)

Item	Sample ID.	Location	Result (µ/L)
33	OES-G-B-F	Gym, Boys Bathroom, Sink Faucet	0.796
34	OES-G-G-F	Gym, Girls Bathroom, Sink Faucet	0.654
35	OES-G-WF-E	Gym, Drinking Fountain, by entry	24.3
36	OES-G-WF	Gym, Drinking Fountain	ND
37	OES-SL-F	Staff Lounge, Sink Faucet	1.01
38	OES-SRR-F1	Staff Bathroom #1, Sink Faucet	0.807
39	OES-SRR-F2	Staff Bathroom #2, Sink Faucet	0.394
40	OES-K-F-1	Kitchen, Sink Faucet #1	6.07
41	OES-K-F-2	Kitchen, Sink Faucet #2	0.288
42	OES-H-SF	Hall, Sink Faucet	4.35
43	OES-BG-RR-FN	Hall, Boys-Girls Bathroom North, Sink Faucet	0.448
44	OES-W-WF	West Building, Drinking Fountain	3.84
45	OES-GRR-F-1	Hall Girls Bathroom #1, Sink Faucet	4.25
46	OES-GRR-F-2	Hall Girls Bathroom #2, Sink Faucet	11.3
47	OES-BRR-F-1	Hall Boys Bathroom #1, Sink Faucet	5.00
48	OES-BRR-F-2	Hall Boys Bathroom #2, Sink Faucet	0.611
49	OES-BRR-F-3	Hall Boys Bathroom #3, Sink Faucet	0.254

ND = Non-Detect

As highlighted () in the above table, the lab results for 1 of the 49 drinking water samples collected were found to be at or above the 15 ppb action level for lead in drinking water. The remaining 48 drinking water samples were found to be below the 15 ppb action level.

Note: Drinking water sources with lead levels above an approximate background level of 2.0 ppb have also been highlighted ().

Conclusions and Recommendations

One site was noted to have an elevated lead in drinking water, which was located at the entrance to the gym as a drinking water fountain. No elevated lead in drinking water levels were noted in the other locations sampled, and the results were below lead in drinking water EPA standard under the Safe Drinking Water Act of 15 parts per billion. Several fountain locations had residual levels above background as well as faucets in sinks.

It is our recommendation that the Longview School District consider the installation of a combination drinking fountain and motion sensor water filling system using an ANSI 53 certified filter by the National Science Foundation (NSF). The Elkay EZH20 is a popular fixture and is advertised online for about \$1,500 per unit. Note that fixtures with refrigeration jump in price to around \$4,000. These systems have proven effective for the removal of lead particulates with our other school district clients.



Given the age of the plumbing systems and the slight residual levels of lead noted in the drinking water fountains throughout, Sterling recommends that the district consider replacement of all the water fountains in the Olympic Elementary School with fixtures that include a suitable lead filtration system. As the existing drinking water fountains do not have an electrical source, a mechanical system would be preferable. With the mechanical fixtures, required filter changes are noted on a counter that is based on the volume of water passed through the filter.

The district might also consider instituting an administrative policy that only those drinking water sources that include a lead filtration system be used for drinking water; discourage use of unfiltered water sources (e.g., classroom sink water faucets).

No further recommendations other than ongoing periodic testing of drinking water sources to ensure lead filters are performing to standard, and to monitor that the existing systems are not degrading further, are made at this time.

Limitations

This report is for the exclusive use of the client, applies only to the specific subject property detailed above, and shall not be relied upon by any other party without the prior written consent of the undersigned.

Within the limitations of scope, schedule, and budget, our services have been executed in accordance with generally accepted practices in this area at the time this report was prepared. No other hazardous materials/wastes were investigated. No other conditions, expressed or implied, should be understood.

Recordkeeping

Additional copies of this report are available from Sterling Technologies upon request. Unless otherwise requested, samples will be retained for a period of 30 days, after which they will be discarded. If you have any questions about these results or would like additional information, please feel free to call our office.

Sterling Technologies thanks you for this opportunity to be of service.

Sincerely,

Thomas Nadermann, M.S., Principal

AHERA Inspector #155212, Lead Risk Assessor #0493



Appendix A

Inspector's Certification





STATE OF WASHINGTON

Department of Commerce Lead-Based Paint Abatement Program

Edwin L Wilson

Has fulfilled the certification requirements of WAC 365-230 and has been certified to conduct lead-based paint activities as a Risk Assessor

Certification #

Issuance Date 02/19/2021 Expiration Date 06/27/2021

STATE OF WASHINGTON

Department of Commerce

Lead-Based Paint Abatement Program

Thomas Heinrich Nadermann

Has fulfilled the certification requirements of WAC 365-230 and has been certified to conduct lead-based paint activities as a Risk Assessor

Certification # 0493

Issuance Date 02/08/2021 Expiration Date 10/22/2023



Appendix B

Field Data

Laboratory Results





A2B0599

6700 S.W. Sandburg St. Tigard, OR 97223 503-718-2323 EPA ID: OR01039

Apex Labs Cooler Receipt Summary Report

Sterling Technologies LLC (Thomas Nadermann)

Project: Drinking Water - 2022

Project #: Olympic Elementary School 2-16-22

Received: 02/16/22 12:26 A2B0599

Apex PM: Darrell Auvil (DAuvil@apex-labs.com) (Phone: 503-718-2323)

One Cooler received at 18.1 deg C: (Temperature OK)

Samples:

A2B0599-01	Drinking Water	OES-1-F				02/16/22 00:00
Analysis		TAT	Due	Hold1	Hold1 Type	Expires
Pb (Lead) - 200.	.8 - Total king water	10	3/2/2022	180	Sampled to Analyzed (Day)	8/15/2022
A2B0599-02	Drinking Water	OES-1-G				02/16/22 00:00
Analysis		TAT	Due	Hold1	Hold1 Type	Expires
Pb (Lead) - 200 . Drink	.8 - Total king water	10	3/2/2022	180	Sampled to Analyzed (Day)	8/15/2022
A2B0599-03	Drinking Water	OES-1-B				02/16/22 00:00
Analysis		TAT	Due	Hold1	Hold1 Type	Expires
Pb (Lead) - 200.	.8 - Total king water	10	3/2/2022	180	Sampled to Analyzed (Day)	8/15/2022
A2B0599-04	Drinking Water	OES-2-F				02/16/22 00:00
Analysis		TAT	Due	Hold1	Hold1 Type	Expires
Pb (Lead) - 200.	.8 - Total king water	10	3/2/2022	180	Sampled to Analyzed (Day)	8/15/2022
A2B0599-05	Drinking Water	OES-3-F				02/16/22 00:00
Analysis		TAT	Due	Hold1	Hold1 Type	Expires
Pb (Lead) - 200.	.8 - Total king water	10	3/2/2022	180	Sampled to Analyzed (Day)	8/15/2022
A2B0599-06	Drinking Water	OES-4-F				02/16/22 00:00
Analysis		TAT	Due	Hold1	Hold1 Type	Expires
Pb (Lead) - 200.	.8 - Total king water	10	3/2/2022	180	Sampled to Analyzed (Day)	8/15/2022

Sterling Technologies LLC (Thomas Nadermann)

Project: Drinking Water - 2022

Project #: Olympic Elementary School 2-16-22

A2B0599-07	Drinking Water	OES-5-F				02/16/22 00:00
Analysis		TAT	Due	Hold1	Hold1 Type	Expires
Pb (Lead) - 200.8 Drinkir	- Total ng water	10	3/2/2022	180	Sampled to Analyzed (Day)	8/15/2022
A2B0599-08	Drinking Water	OES-6-F				02/16/22 00:00
Analysis		TAT	Due	Hold1	Hold1 Type	Expires
Pb (Lead) - 200.8 Drinkir	- Total ng water	10	3/2/2022	180	Sampled to Analyzed (Day)	8/15/2022
A2B0599-09	Drinking Water	OES-7-F				02/16/22 00:00
Analysis		TAT	Due	Hold1	Hold1 Type	Expires
Pb (Lead) - 200.8 Drinkir	- Total ng water	10	3/2/2022	180	Sampled to Analyzed (Day)	8/15/2022
A2B0599-10	Drinking Water	OES-8-F				02/16/22 00:00
Analysis		TAT	Due	Hold1	Hold1 Type	Expires
Pb (Lead) - 200.8 Drinkir	- Total ng water	10	3/2/2022	180	Sampled to Analyzed (Day)	8/15/2022
A2B0599-11	Drinking Water	OES-9-F				02/16/22 00:00
Analysis		TAT	Due	Hold1	Hold1 Type	Expires
Pb (Lead) - 200.8 Drinkir	- Total ng water	10	3/2/2022	180	Sampled to Analyzed (Day)	8/15/2022
A2B0599-12	Drinking Water	<u>OES-10-F</u>				02/16/22 00:00
Analysis		TAT	Due	Hold1	Hold1 Type	Expires
Pb (Lead) - 200.8 Drinkir	- Total ng water	10	3/2/2022	180	Sampled to Analyzed (Day)	8/15/2022
A2B0599-13	Drinking Water	<u>OES-11-F</u>				02/16/22 00:00
Analysis		TAT	Due	Hold1	Hold1 Type	Expires
Pb (Lead) - 200.8 Drinkir	- Total ng water	10	3/2/2022	180	Sampled to Analyzed (Day)	8/15/2022
A2B0599-14	Drinking Water	<u>OES-13-F</u>				02/16/22 00:00
Analysis		TAT	Due	Hold1	Hold1 Type	Expires
Pb (Lead) - 200.8	- Total	10	3/2/2022	180	Sampled to Analyzed (Day)	8/15/2022

Sterling Technologies LLC (Thomas Nadermann)

Project: Drinking Water - 2022

Project #: Olympic Elementary School 2-16-22

22 12:20					A2D0399
Drinking Water	<u>OES-14-F</u>				02/16/22 00:00
	TAT	Due	Hold1	Hold1 Type	Expires
Total water	10	3/2/2022	180	Sampled to Analyzed (Day)	8/15/2022
Drinking Water	OES-14-RR				02/16/22 00:00
	TAT	Due	Hold1	Hold1 Type	Expires
Total water	10	3/2/2022	180	Sampled to Analyzed (Day)	8/15/2022
Drinking Water	<u>OES-15-F</u>				02/16/22 00:00
	TAT	Due	Hold1	Hold1 Type	Expires
Total water	10	3/2/2022	180	Sampled to Analyzed (Day)	8/15/2022
Drinking Water	OES-16-F				02/16/22 00:00
	TAT	Due	Hold1	Hold1 Type	Expires
Total water	10	3/2/2022	180	Sampled to Analyzed (Day)	8/15/2022
Drinking Water	OES-16-GF				02/16/22 00:00
	TAT	Due	Hold1	Hold1 Type	Expires
Total water	10	3/2/2022	180	Sampled to Analyzed (Day)	8/15/2022
Drinking Water	OES-16-BF				02/16/22 00:00
	TAT	Due	Hold1	Hold1 Type	Expires
Total water	10	3/2/2022	180	Sampled to Analyzed (Day)	8/15/2022
Drinking Water	OES-17-F				02/16/22 00:00
	TAT	Due	Hold1	Hold1 Type	Expires
Total water	10	3/2/2022	180	Sampled to Analyzed (Day)	8/15/2022
Drinking Water	OES-17-RR				02/16/22 00:00
	TAT	Due	Hold1	Hold1 Type	Expires
Total	10	3/2/2022	180	Sampled to Analyzed (Day)	8/15/2022
	Total water Drinking Water Total water Drinking Water	Drinking Water TAT Total water Drinking Water DES-16-GF TAT Total 10 water Drinking Water DES-16-BF TAT Total 10 water Drinking Water DES-17-F TAT Total 10 water Drinking Water DES-17-F TAT Total 10 water	Drinking Water OES-14-F Total water 10 3/2/2022 water Drinking Water OES-14-RR Total water 10 3/2/2022 water Drinking Water OES-15-F TAT Due Total 10 3/2/2022 water 10 3/2/2022 water Drinking Water OES-16-F TAT Due Total TOTAL TAT Due Total TOTAL TAT Due Total TAT TAT Due Total TAT TAT TAT TAT TAT TAT TAT TAT TAT TA	Drinking Water OES-14-F Total (water) 10 3/2/2022 180 Drinking Water OES-14-RR TAT Due Hold1 Total (water) 10 3/2/2022 180 Drinking Water OES-15-F TAT Due Hold1 Total (water) 10 3/2/2022 180 Drinking Water OES-16-F TAT Due Hold1 Total (water) 10 3/2/2022 180 Drinking Water OES-16-GF TAT Due Hold1 Total (water) 10 3/2/2022 180 TAT Due Hold1 Total (water) 10 3/2/2022 180 TAT Due Hold1 Total (water) 10 3/2/2022 180 Drinking Water OES-17-F TAT Due Hold1 Total (water) 10 3/2/2022 180 TAT Due Hold1 TAT Due Hold1 TAT Due Hold	TAT

Sterling Technologies LLC (Thomas Nadermann)

Project: Drinking Water - 2022

Project #: Olympic Elementary School 2-16-22

22 12:20					AZB0399
Drinking Water	<u>OES-18-F</u>				02/16/22 00:00
	TAT	Due	Hold1	Hold1 Type	Expires
Total water	10	3/2/2022	180	Sampled to Analyzed (Day)	8/15/2022
Drinking Water	<u>OES-18-GF</u>				02/16/22 00:00
	TAT	Due	Hold1	Hold1 Type	Expires
Total water	10	3/2/2022	180	Sampled to Analyzed (Day)	8/15/2022
Drinking Water	<u>OES-19-F</u>				02/16/22 00:00
	TAT	Due	Hold1	Hold1 Type	Expires
Total water	10	3/2/2022	180	Sampled to Analyzed (Day)	8/15/2022
Drinking Water	OES-19-BF				02/16/22 00:00
	TAT	Due	Hold1	Hold1 Type	Expires
Total water	10	3/2/2022	180	Sampled to Analyzed (Day)	8/15/2022
Drinking Water	OES-22-RR				02/16/22 00:00
	TAT	Due	Hold1	Hold1 Type	Expires
Total water	10	3/2/2022	180	Sampled to Analyzed (Day)	8/15/2022
Drinking Water	OES-C-F				02/16/22 00:00
	TAT	Due	Hold1	Hold1 Type	Expires
Total water	10	3/2/2022	180	Sampled to Analyzed (Day)	8/15/2022
Drinking Water	OES-L-F				02/16/22 00:00
	TAT	Due	Hold1	Hold1 Type	Expires
Total water	10	3/2/2022	180	Sampled to Analyzed (Day)	8/15/2022
Drinking Water	OES-LO-F				02/16/22 00:00
	TAT	Due	Hold1	Hold1 Type	Expires
					8/15/2022
	Total water Drinking Water Total water	Drinking Water TAT Total water Drinking Water DES-L-F TAT Total water Drinking Water Drinking Water Drinking Water DES-L-F TAT Total water Drinking Water Drinking Water DES-L-F	Drinking Water	Drinking Water	TAT

Sterling Technologies LLC (Thomas Nadermann)

Project: Drinking Water - 2022

Project #: Olympic Elementary School 2-16-22

A2B0599-31	Drinking Water	OES-N-F				02/16/22 00:00
Analysis		TAT	Due	Hold1	Hold1 Type	Expires
Pb (Lead) - 200.8 Drinkii	- Total ng water	10	3/2/2022	180	Sampled to Analyzed (Day)	8/15/2022
A2B0599-32	Drinking Water	OES-N-DW				02/16/22 00:00
Analysis		TAT	Due	Hold1	Hold1 Type	Expires
Pb (Lead) - 200.8 Drinkii	- Total ng water	10	3/2/2022	180	Sampled to Analyzed (Day)	8/15/2022
2B0599-33	Drinking Water	OES-G-B-F				02/16/22 00:00
Analysis		TAT	Due	Hold1	Hold1 Type	Expires
Pb (Lead) - 200.8 Drinkii	- Total ng water	10	3/2/2022	180	Sampled to Analyzed (Day)	8/15/2022
A2B0599-34	Drinking Water	OES-G-G-F				02/16/22 00:00
Analysis		TAT	Due	Hold1	Hold1 Type	Expires
Pb (Lead) - 200.8 Drinkii	- Total ng water	10	3/2/2022	180	Sampled to Analyzed (Day)	8/15/2022
A2B0599-35	Drinking Water	OES-G-WF-E				02/16/22 00:00
Analysis		TAT	Due	Hold1	Hold1 Type	Expires
Pb (Lead) - 200.8 Drinkii	- Total ng water	10	3/2/2022	180	Sampled to Analyzed (Day)	8/15/2022
A2B0599-36	Drinking Water	OES-G-WF				02/16/22 00:00
Analysis		TAT	Due	Hold1	Hold1 Type	Expires
Pb (Lead) - 200.8 Drinkii	- Total ng water	10	3/2/2022	180	Sampled to Analyzed (Day)	8/15/2022
A2B0599-37	Drinking Water	OES-SL-F				02/16/22 00:00
Analysis		TAT	Due	Hold1	Hold1 Type	Expires
Pb (Lead) - 200.8 Drinkii	- Total ng water	10	3/2/2022	180	Sampled to Analyzed (Day)	8/15/2022
A2B0599-38	Drinking Water	OES-SRR-F1				02/16/22 00:00
Analysis		TAT	Due	Hold1	Hold1 Type	Expires
Pb (Lead) - 200.8	- Total	10	3/2/2022	180	Sampled to Analyzed (Day)	8/15/2022

Sterling Technologies LLC (Thomas Nadermann)

Project: Drinking Water - 2022

Project #: Olympic Elementary School 2-16-22

Received: 02/16	5/22 12:26					A2B0599
A2B0599-39	Drinking Water	OES-SRR-F2				02/16/22 00:00
Analysis		TAT	Due	Hold1	Hold1 Type	Expires
Pb (Lead) - 200.8 - Drinking		10	3/2/2022	180	Sampled to Analyzed (Day)	8/15/2022
\2B0599-40	Drinking Water	OES-K-F-1				02/16/22 00:00
Analysis		TAT	Due	Hold1	Hold1 Type	Expires
Pb (Lead) - 200.8 - Drinking		10	3/2/2022	180	Sampled to Analyzed (Day)	8/15/2022
A2B0599-41	Drinking Water	OES-K-F-2				02/16/22 00:00
Analysis		TAT	Due	Hold1	Hold1 Type	Expires
Pb (Lead) - 200.8 - Drinking		10	3/2/2022	180	Sampled to Analyzed (Day)	8/15/2022
A2B0599-42	Drinking Water	OES-H-SF				02/16/22 00:00
Analysis		TAT	Due	Hold1	Hold1 Type	Expires
Pb (Lead) - 200.8 - Drinking		10	3/2/2022	180	Sampled to Analyzed (Day)	8/15/2022
A2B0599-43	Drinking Water	OES-BG-RR-FN				02/16/22 00:00
Analysis		TAT	Due	Hold1	Hold1 Type	Expires
Pb (Lead) - 200.8 - Drinkinç		10	3/2/2022	180	Sampled to Analyzed (Day)	8/15/2022
A2B0599-44	Drinking Water	OES-W-WF				02/16/22 00:00
Analysis		TAT	Due	Hold1	Hold1 Type	Expires
Pb (Lead) - 200.8 - Drinking		10	3/2/2022	180	Sampled to Analyzed (Day)	8/15/2022
A2B0599-45	Drinking Water	OES-GRR-F-1				02/16/22 00:00
Analysis		TAT	Due	Hold1	Hold1 Type	Expires
Pb (Lead) - 200.8 - Drinking		10	3/2/2022	180	Sampled to Analyzed (Day)	8/15/2022
A2B0599-46	Drinking Water	OES-GRR-F-2				02/16/22 00:00
Analysis		TAT	Due	Hold1	Hold1 Type	Expires
Pb (Lead) - 200.8 -	· Total g water	10	3/2/2022	180	Sampled to Analyzed (Day)	8/15/2022

Sterling Technologies LLC (Thomas Nadermann)

Project: Drinking Water - 2022

Project #: Olympic Elementary School 2-16-22

A2B0599-47	Drinking Water	OES-BRR-F-1				02/16/22 00:00
Analysis		TAT	Due	Hold1	Hold1 Type	Expires
Pb (Lead) - 200.8	3 - Total ng water	10	3/2/2022	180	Sampled to Analyzed (Day)	8/15/2022

A2B0599-48	Drinking Water	OES-BRR-F-2				02/16/22 00:00
Analysis		TAT	Due	Hold1	Hold1 Type	Expires
Pb (Lead) - 200.8	8 - Total	10	3/2/2022	180	Sampled to Analyzed (Day)	8/15/2022
Drink	ing water					

A2B0599-49	Drinking Water	OES-BRR-F-3				02/16/22 00:00
Analysis		TAT	Due	Hold1	Hold1 Type	Expires
Pb (Lead) - 200.8 Drinki	8 - Total ing water	10	3/2/2022	180	Sampled to Analyzed (Day)	8/15/2022

Sterling Technologies, LLC Providing technical consulting support to the environmental and manufacturing industries Date: Feb 16,2022 317 NE 144° Street Vancouver, WA 98685 360.576.6331 Comments H J = 1 Bd Turnaround Time: 2/10/22 Normal: Other: Analysis 1-ead K Fauca Location/Description = = = Nockermann T. Naelermann E. Wilson <u>0</u> 9 I 4 d Received by: Auby Mariposa Class. ı Chain of Custody = -1 = = = = = Field Sampling Log - 1-6 3.1 B-1-4. 下 Sample ID ė 0 d 4 Project Contact: S ----Project Name: Site Location: 9 Sampled by: ſ Date: = 2 4 = = = =

1920(14 A180549 Sterling Technologies, LLC Providing technical consulting support to the environmental and manufacturing industries 317 NE 144° Street Vancouver, WA 98685 360.576.6331 Comments Turnaround Time: Normal: Other: Analysis Lead Sink Fauce -13-Sink Fauces Test Drinking Water Bor Location/Description adermann るといろって 19.8年 Received by: Andy Mariposa J SSO Chain of Custody 1 = = - 14-RR 16-GF 8-GF 16.8年 7-41-S3G 7- RR -16-F 19 - BF Field Sampling Log 15-1 OES-13-F 8 Sample ID 6 Project Contact: Project Name: Site Location: Sampled by: ١ 4

pg3 of 4. Arbosag 2000 Sterling Technologies, LLC Providing technical consulting support to the environmental and manufacturing industries Date: Feb 16,2022 317 NE 144 Street Vancouver, WA 98685 360.576.6331 Comments EP4 Method Turnaround Time: Normal: Other: Analysis 1660 Water Fountain Location/Description 7 Nackingon ermann Dack-22bran Received by: And Mariposa ると Gym-Chain of Custody = = DES-N-DW DES-G-WF-E OES-SAR-F2 DES-22-RR J-8-9-SJG JES-G-6-F OES-SAR-F Field Sampling Log DES G-WF Sample ID JES-C-1 -N-S: Project Contact: Project Name: Site Location: Sampled by

payoff Arbosta EPAMATHON 2008 Sterling Technologies, LLC Providing technical consulting support to the environmental and manufacturing industries 317 NE 144" Street Vancouver, WA 98685 360.576.6331 Comments Turnaround Time: Normal: Other: Analysis read Test Dinking Worter for Lead Bolf-Rirls North - Binkt - #2 - Water Lantain Olymbic Elementers Location/Description Sink Fauces 力井 サン で井 カサ # 18 Kitchen- Sinky . Neekermann T. Nadermann E. Wilson Feb 16,2022 Received by: Andy Mariposa -Chain of Custody 2 DES-BG-RR-FN BAR-F-2 -GRR-F.2 BRR-F-3 -GRR-F. もよって下にな -BAR-F. 2ES-K-F. 965-4-SF Field Sampling Log DES-W-WF Sample ID Project Contact: Project Name: Site Location: Sampled by: 1 = ;

APEX LABS COOLER RECEIPT FORM	
Client: Jeving Technologies (10 Element WO#: A2 80	599
Project/Project #: Olympic Flementary School	<u> </u>
Projectification of the project #: 179 mp 12 + 170 mentary success	***************************************
Delivery Info:	
Date/time received: 2/16/22@12:26 By:	
Delivered by: Apex Client ESS FedEx UPS Swift Senvoy SDS	
Cooler Inspection Date/time inspected: 2/16/22 @ /44/0 By: 15	
Chain of Custody included? Yes No Custody seals? Yes No	
Signed/dated by client? Yes No	
Signed/dated by Apex? Yes No	
Cooler #1 Cooler #2 Cooler #3 Cooler #4 Cooler #5 Cooler #	#6 Cooler #7
Temperature (°C)	4-0 Christian
Received on ice? (Y/N)	
Temp. blanks? (Y/N)	
Ice type: (Gel/Real/Other)	
Cooler out of temp? (YN) Possible reason why: Drinking Workers	
Sample Inspection: Date/time inspected: Man @ 1900 By: WW. All samples intact? Yes \(\frac{1}{2} \) No Comments:	
Bottle labels/COCs agree? Yes Y No Comments:	.)
COC/container diagraman sing form initial 10 M	
COC/container discrepancies form initiated? Yes No Comments:	
Containers/volumes received appropriate for analysis? Yes No Comments:	NA A.
Do VOA vials have visible headspace? Yes No NA	
Comments	
Comments Water samples: pH checked: Yes No_NA_ pH appropriate? Yes No_NA_ Comments: Additional information:	
Comments Water samples: pH checked: Yes No NA pH appropriate? Yes No NA Comments: Additional information: Witness: Cooler Inspected by:	



Apex Laboratories, LLC

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

Thursday, March 3, 2022 Thomas Nadermann Sterling Technologies LLC 317 NE 144th St Vancouver, WA 98685

RE: A2B0599 - Drinking Water - 2022 - Olympic Elementary School 2-16-22

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 A2B0599, which was received by the laboratory on 2/16/2022 at 12:26:00PM.

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

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

Cooler Receipt Information

(See Cooler Receipt Form for details)

Cooler #1

18.1 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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Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Sterling Technologies LLCProject:Drinking Water - 2022317 NE 144th StProject Number:Olympic Elementary School

317 NE 144th StProject Number: Olympic Elementary SchoolReport ID:Vancouver, WA 98685Project Manager: Thomas NadermannA2B0599 - 03 03 22 1129

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION										
Client Sample ID L	aboratory ID	Matrix	Date Sampled	Date Received						
OES-1-F A	2B0599-01	Drinking Water	02/16/22 00:00	02/16/22 12:26						
OES-1-G	2B0599-02	Drinking Water	02/16/22 00:00	02/16/22 12:26						
OES-1-B	2B0599-03	Drinking Water	02/16/22 00:00	02/16/22 12:26						
OES-2-F	2B0599-04	Drinking Water	02/16/22 00:00	02/16/22 12:26						
OES-3-F	2B0599-05	Drinking Water	02/16/22 00:00	02/16/22 12:26						
OES-4-F	2B0599-06	Drinking Water	02/16/22 00:00	02/16/22 12:26						
OES-5-F	2B0599-07	Drinking Water	02/16/22 00:00	02/16/22 12:26						
OES-6-F	2B0599-08	Drinking Water	02/16/22 00:00	02/16/22 12:26						
OES-7-F	2B0599-09	Drinking Water	02/16/22 00:00	02/16/22 12:26						
OES-8-F	2B0599-10	Drinking Water	02/16/22 00:00	02/16/22 12:26						
OES-9-F	2B0599-11	Drinking Water	02/16/22 00:00	02/16/22 12:26						
OES-10-F	2B0599-12	Drinking Water	02/16/22 00:00	02/16/22 12:26						
OES-11-F	2B0599-13	Drinking Water	02/16/22 00:00	02/16/22 12:26						
OES-13-F	2B0599-14	Drinking Water	02/16/22 00:00	02/16/22 12:26						
OES-14-F	2B0599-15	Drinking Water	02/16/22 00:00	02/16/22 12:26						
OES-14-RR A	2B0599-16	Drinking Water	02/16/22 00:00	02/16/22 12:26						
OES-15-F	2B0599-17	Drinking Water	02/16/22 00:00	02/16/22 12:26						
OES-16-F A	2B0599-18	Drinking Water	02/16/22 00:00	02/16/22 12:26						
OES-16-GF A	2B0599-19	Drinking Water	02/16/22 00:00	02/16/22 12:26						
OES-16-BF A	2B0599-20	Drinking Water	02/16/22 00:00	02/16/22 12:26						
OES-17-F	2B0599-21	Drinking Water	02/16/22 00:00	02/16/22 12:26						
OES-17-RR A	2B0599-22	Drinking Water	02/16/22 00:00	02/16/22 12:26						
OES-18-F	2B0599-23	Drinking Water	02/16/22 00:00	02/16/22 12:26						
OES-18-GF A	2B0599-24	Drinking Water	02/16/22 00:00	02/16/22 12:26						
OES-19-F	2B0599-25	Drinking Water	02/16/22 00:00	02/16/22 12:26						
OES-19-BF A	2B0599-26	Drinking Water	02/16/22 00:00	02/16/22 12:26						
OES-22-RR A	2B0599-27	Drinking Water	02/16/22 00:00	02/16/22 12:26						
OES-C-F A	2B0599-28	Drinking Water	02/16/22 00:00	02/16/22 12:26						
OES-L-F A	2B0599-29	Drinking Water	02/16/22 00:00	02/16/22 12:26						
OES-LO-F A	2B0599-30	Drinking Water	02/16/22 00:00	02/16/22 12:26						
OES-N-F A	2B0599-31	Drinking Water	02/16/22 00:00	02/16/22 12:26						
OES-N-DW A	2B0599-32	Drinking Water	02/16/22 00:00	02/16/22 12:26						
OES-G-B-F A	2B0599-33	Drinking Water	02/16/22 00:00	02/16/22 12:26						

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Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Sterling Technologies LLCProject:Drinking Water - 2022317 NE 144th StProject Number:Olympic Elementary SchoolVancouver, WA 98685Project Manager:Thomas Nadermann

Report ID: A2B0599 - 03 03 22 1129

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION											
Laboratory ID	Matrix	Date Sampled	Date Received								
A2B0599-34	Drinking Water	02/16/22 00:00	02/16/22 12:26								
A2B0599-35	Drinking Water	02/16/22 00:00	02/16/22 12:26								
A2B0599-36	Drinking Water	02/16/22 00:00	02/16/22 12:26								
A2B0599-37	Drinking Water	02/16/22 00:00	02/16/22 12:26								
A2B0599-38	Drinking Water	02/16/22 00:00	02/16/22 12:26								
A2B0599-39	Drinking Water	02/16/22 00:00	02/16/22 12:26								
A2B0599-40	Drinking Water	02/16/22 00:00	02/16/22 12:26								
A2B0599-41	Drinking Water	02/16/22 00:00	02/16/22 12:26								
A2B0599-42	Drinking Water	02/16/22 00:00	02/16/22 12:26								
A2B0599-43	Drinking Water	02/16/22 00:00	02/16/22 12:26								
A2B0599-44	Drinking Water	02/16/22 00:00	02/16/22 12:26								
A2B0599-45	Drinking Water	02/16/22 00:00	02/16/22 12:26								
A2B0599-46	Drinking Water	02/16/22 00:00	02/16/22 12:26								
A2B0599-47	Drinking Water	02/16/22 00:00	02/16/22 12:26								
A2B0599-48	Drinking Water	02/16/22 00:00	02/16/22 12:26								
A2B0599-49	Drinking Water	02/16/22 00:00	02/16/22 12:26								
	Laboratory ID A2B0599-34 A2B0599-35 A2B0599-36 A2B0599-37 A2B0599-38 A2B0599-39 A2B0599-40 A2B0599-41 A2B0599-42 A2B0599-42 A2B0599-44 A2B0599-45 A2B0599-46 A2B0599-47 A2B0599-48	A2B0599-34 Drinking Water A2B0599-35 Drinking Water A2B0599-36 Drinking Water A2B0599-37 Drinking Water A2B0599-38 Drinking Water A2B0599-39 Drinking Water A2B0599-40 Drinking Water A2B0599-41 Drinking Water A2B0599-42 Drinking Water A2B0599-42 Drinking Water A2B0599-43 Drinking Water A2B0599-44 Drinking Water A2B0599-45 Drinking Water A2B0599-46 Drinking Water A2B0599-47 Drinking Water A2B0599-47 Drinking Water A2B0599-48 Drinking Water	Laboratory ID Matrix Date Sampled A2B0599-34 Drinking Water 02/16/22 00:00 A2B0599-35 Drinking Water 02/16/22 00:00 A2B0599-36 Drinking Water 02/16/22 00:00 A2B0599-37 Drinking Water 02/16/22 00:00 A2B0599-38 Drinking Water 02/16/22 00:00 A2B0599-39 Drinking Water 02/16/22 00:00 A2B0599-40 Drinking Water 02/16/22 00:00 A2B0599-41 Drinking Water 02/16/22 00:00 A2B0599-42 Drinking Water 02/16/22 00:00 A2B0599-43 Drinking Water 02/16/22 00:00 A2B0599-44 Drinking Water 02/16/22 00:00 A2B0599-45 Drinking Water 02/16/22 00:00 A2B0599-46 Drinking Water 02/16/22 00:00 A2B0599-47 Drinking Water 02/16/22 00:00 A2B0599-48 Drinking Water 02/16/22 00:00								

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Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Sterling Technologies LLC 317 NE 144th St Vancouver, WA 98685 Project: Drinking Water - 2022
Project Number: Olympic Elementary School
Project Manager: Thomas Nadermann

Report ID: A2B0599 - 03 03 22 1129

ANALYTICAL SAMPLE RESULTS

	Total	Metals in Dri	nking Water I	oy EPA 200.	8 (ICPMS)			
Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
OES-1-F (A2B0599-01)				Matrix: D	rinking Wate	er		
Batch: 22B0794								
Lead	0.555		0.200	ug/L	1	02/25/22 14:52	EPA 200.8	
OES-1-G (A2B0599-02)				Matrix: D	rinking Wate	er		
Batch: 22B0794								
Lead	0.790		0.200	ug/L	1	02/25/22 14:55	EPA 200.8	
OES-1-B (A2B0599-03)				Matrix: D	rinking Wate	er		
Batch: 22B0794						· · · · · · · · · · · · · · · · · · ·		
Lead	0.541		0.200	ug/L	1	02/25/22 14:59	EPA 200.8	
OES-2-F (A2B0599-04)				Matrix: D	rinking Wate	er		
Batch: 22B0794								
Lead	0.324		0.200	ug/L	1	02/25/22 15:02	EPA 200.8	
OES-3-F (A2B0599-05)				Matrix: D	rinking Wate	er		
Batch: 22B0794								
Lead	0.502		0.200	ug/L	1	02/25/22 15:05	EPA 200.8	
OES-4-F (A2B0599-06)				Matrix: D	rinking Wate	er		
Batch: 22B0794								
Lead	2.08		0.200	ug/L	1	02/25/22 15:09	EPA 200.8	
OES-5-F (A2B0599-07)				Matrix: D	rinking Wate	er		
Batch: 22B0794								
Lead	0.922		0.200	ug/L	1	02/25/22 15:13	EPA 200.8	
OES-6-F (A2B0599-08)				Matrix: D	rinking Wate	er		
Batch: 22B0794								
Lead	0.748		0.200	ug/L	1	02/25/22 15:16	EPA 200.8	
OES-7-F (A2B0599-09)				Matrix: D	rinking Wate	er		
Batch: 22B0794								
Lead	0.339		0.200	ug/L	1	02/25/22 15:19	EPA 200.8	
OES-8-F (A2B0599-10)				Matrix: Di	rinking Wate	er		
Batch: 22B0795								

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Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Sterling Technologies LLC 317 NE 144th St Vancouver, WA 98685 Project Number: Olympic Elementary School
Project Manager: Thomas Nadermann

Report ID: A2B0599 - 03 03 22 1129

ANALYTICAL SAMPLE RESULTS

	Total	Metals in Dri	nking Water I	y EPA 200.	8 (ICPMS)			
Analyta	Sample Result	Detection Limit	Reporting Limit	Linita	Dilution	Date Analyzed	Mathad Baf	Notes
Analyte	Resuit	LIIIII	PIIIII	Units			Method Ref.	Notes
OES-8-F (A2B0599-10)				Matrix: Di	rinking Wate			
Lead	0.334		0.200	ug/L	1	02/25/22 15:42	EPA 200.8	
OES-9-F (A2B0599-11)				Matrix: Di	rinking Wate	r		
Batch: 22B0795								
Lead	0.318		0.200	ug/L	1	02/25/22 15:53	EPA 200.8	
OES-10-F (A2B0599-12)				Matrix: Di	rinking Wate	r		
Batch: 22B0795								
Lead	ND		0.200	ug/L	1	02/25/22 15:56	EPA 200.8	
OES-11-F (A2B0599-13)				Matrix: Di	rinking Wate	r		
Batch: 22B0795							<u> </u>	
Lead	ND		0.200	ug/L	1	02/25/22 15:59	EPA 200.8	
OES-13-F (A2B0599-14)				Matrix: Di	rinking Wate	r		
Batch: 22B0795								
Lead	1.35		0.200	ug/L	1	02/25/22 16:03	EPA 200.8	
OES-14-F (A2B0599-15RE1)				Matrix: Di	rinking Wate	r		
Batch: 22B0795								
Lead	1.78		0.200	ug/L	1	02/25/22 18:15	EPA 200.8	
OES-14-RR (A2B0599-16RE1)				Matrix: Di	rinking Wate	r		
Batch: 22B0795	<u> </u>					<u> </u>	<u> </u>	
Lead	0.934		0.200	ug/L	1	02/25/22 18:19	EPA 200.8	
OES-15-F (A2B0599-17RE1)				Matrix: Di	rinking Wate	r		
Batch: 22B0795							· ·	
Lead	3.08		0.200	ug/L	1	02/25/22 18:22	EPA 200.8	
OES-16-F (A2B0599-18RE1)				Matrix: Di	rinking Wate	r		
Batch: 22B0795								
Lead	0.261		0.200	ug/L	1	02/25/22 18:26	EPA 200.8	
OES-16-GF (A2B0599-19RE1)				Matrix: Di	rinking Wate	r		
Batch: 22B0795				<u> </u>				

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Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Sterling Technologies LLC 317 NE 144th St Vancouver, WA 98685 Project Number: Olympic Elementary School
Project Manager: Thomas Nadermann

Report ID: A2B0599 - 03 03 22 1129

ANALYTICAL SAMPLE RESULTS

	Total	Metals in Dri	nking Water I	y EPA 200.	8 (ICPMS)			
	Sample	Detection	Reporting			Date		
Analyte	Result	Limit	Limit	Units	Dilution	Analyzed	Method Ref.	Notes
OES-16-GF (A2B0599-19RE1)				Matrix: Di	rinking Wate	r		
Lead	0.899		0.200	ug/L	1	02/25/22 18:30	EPA 200.8	
OES-16-BF (A2B0599-20RE1)				Matrix: Di	rinking Wate	r		
Batch: 22B0795								
Lead	1.70		0.200	ug/L	1	02/25/22 18:33	EPA 200.8	
OES-17-F (A2B0599-21RE1)				Matrix: Di	rinking Wate	r		
Batch: 22B0795								
Lead	0.365		0.200	ug/L	1	02/25/22 18:37	EPA 200.8	
OES-17-RR (A2B0599-22RE1)				Matrix: Di	rinking Wate	r		
Batch: 22B0795								
Lead	1.50		0.200	ug/L	1	02/25/22 18:41	EPA 200.8	
DES-18-F (A2B0599-23RE1)				Matrix: Di	rinking Wate	r		
Batch: 22B0795								
Lead	0.622		0.200	ug/L	1	02/25/22 18:45	EPA 200.8	
OES-18-GF (A2B0599-24RE1)				Matrix: Di	rinking Wate	r		
Batch: 22B0795								
Lead	0.617		0.200	ug/L	1	02/25/22 18:48	EPA 200.8	
OES-19-F (A2B0599-25RE1)				Matrix: Di	rinking Wate	r		
Batch: 22B0795								
Lead	0.221		0.200	ug/L	1	02/25/22 18:59	EPA 200.8	
OES-19-BF (A2B0599-26RE1)				Matrix: Di	rinking Wate	r		
Batch: 22B0795								
Lead	0.926		0.200	ug/L	1	02/25/22 19:03	EPA 200.8	
DES-22-RR (A2B0599-27RE1)				Matrix: Di	rinking Wate	r		
Batch: 22B0795								
Lead	4.47		0.200	ug/L	1	02/25/22 19:06	EPA 200.8	
OES-C-F (A2B0599-28RE1)				Matrix: Di	rinking Wate	r		
Batch: 22B0795								

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Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Sterling Technologies LLC 317 NE 144th St Vancouver, WA 98685 Project Number: Drinking Water - 2022
Project Number: Olympic Elementary School
Project Manager: Thomas Nadermann

Report ID: A2B0599 - 03 03 22 1129

ANALYTICAL SAMPLE RESULTS

	Total	Metals in Dri	nking Water I	y EPA 200.	8 (ICPMS)			
	Sample	Detection	Reporting			Date		
Analyte	Result	Limit	Limit	Units	Dilution	Analyzed	Method Ref.	Notes
OES-C-F (A2B0599-28RE1)				Matrix: D	rinking Wate	r		
Lead	0.550		0.200	ug/L	1	02/25/22 19:10	EPA 200.8	
OES-L-F (A2B0599-29)				Matrix: D	rinking Wate	r		
Batch: 22B0795								
Lead	0.763		0.200	ug/L	1	02/25/22 19:13	EPA 200.8	
OES-LO-F (A2B0599-30)				Matrix: D	rinking Wate	r		
Batch: 22B0821								
Lead	0.276		0.200	ug/L	1	02/25/22 19:28	EPA 200.8	
OES-N-F (A2B0599-31)				Matrix: D	rinking Wate	r		
Batch: 22B0821								
Lead	ND		0.200	ug/L	1	02/25/22 19:47	EPA 200.8	
OES-N-DW (A2B0599-32)				Matrix: D	rinking Wate	r		
Batch: 22B0821								
Lead	ND		0.200	ug/L	1	02/25/22 19:50	EPA 200.8	
OES-G-B-F (A2B0599-33)				Matrix: D	rinking Wate	r		
Batch: 22B0821								
Lead	0.796		0.200	ug/L	1	02/25/22 19:54	EPA 200.8	
OES-G-G-F (A2B0599-34)				Matrix: D	rinking Wate	r		
Batch: 22B0821								
Lead	0.654		0.200	ug/L	1	02/25/22 19:57	EPA 200.8	
OES-G-WF-E (A2B0599-35)				Matrix: D	rinking Wate	r		
Batch: 22B0821								
Lead	24.3		0.200	ug/L	1	02/25/22 20:00	EPA 200.8	
OES-G-WF (A2B0599-36)				Matrix: D	rinking Wate	r		
Batch: 22B0821								
Lead	ND		0.200	ug/L	1	02/25/22 20:04	EPA 200.8	
OES-SL-F (A2B0599-37)				Matrix: D	rinking Wate	r		
Batch: 22B0821								

Apex Laboratories

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Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Sterling Technologies LLC 317 NE 144th St Vancouver, WA 98685 Project Number: Drinking Water - 2022
Project Number: Olympic Elementary School
Project Manager: Thomas Nadermann

Report ID: A2B0599 - 03 03 22 1129

ANALYTICAL SAMPLE RESULTS

	Total	Metals in Dri	nking Water I	by EPA 200.	.8 (ICPMS)					
Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Note		
OES-SL-F (A2B0599-37)				Matrix: D	rinking Wate	er				
Lead	1.01		0.200	ug/L	1	02/25/22 20:08	EPA 200.8			
OES-SRR-F1 (A2B0599-38)				Matrix: D	rinking Wate	er				
Batch: 22B0821										
Lead	0.807		0.200	ug/L	1	02/25/22 20:11	EPA 200.8			
OES-SRR-F2 (A2B0599-39)				Matrix: D	rinking Wate	er				
Batch: 22B0821										
Lead	0.394		0.200	ug/L	1	02/25/22 20:14	EPA 200.8			
OES-K-F-1 (A2B0599-40)				Matrix: D	rinking Wate	er				
Batch: 22B0821										
Lead	6.07		0.200	ug/L	1	02/25/22 20:25	EPA 200.8			
OES-K-F-2 (A2B0599-41)				Matrix: D	rinking Wate	er				
Batch: 22B0821										
Lead	0.288		0.200	ug/L	1	02/25/22 20:30	EPA 200.8			
OES-H-SF (A2B0599-42)				Matrix: D	rinking Wate	er				
Batch: 22B0821										
Lead	4.35		0.200	ug/L	1	02/25/22 20:33	EPA 200.8			
OES-BG-RR-FN (A2B0599-43)				Matrix: D	rinking Wate	er				
Batch: 22B0821										
Lead	0.448		0.200	ug/L	1	02/25/22 20:37	EPA 200.8			
OES-W-WF (A2B0599-44)				Matrix: D	rinking Wate	er				
Batch: 22B0821										
Lead	3.84		0.200	ug/L	1	02/25/22 20:40	EPA 200.8			
OES-GRR-F-1 (A2B0599-45)	Matrix: Drinking Water									
Batch: 22B0821										
Lead	4.25		0.200	ug/L	1	02/25/22 20:44	EPA 200.8			
OES-GRR-F-2 (A2B0599-46)				Matrix: D	rinking Wate	er				
Batch: 22B0821										

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Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Sterling Technologies LLC 317 NE 144th St Vancouver, WA 98685 Project Number: Olympic Elementary School
Project Manager: Thomas Nadermann

Report ID: A2B0599 - 03 03 22 1129

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					
OES-GRR-F-2 (A2B0599-46)				Matrix: Drinking Water									
Lead	11.3		0.200	ug/L	1	02/25/22 20:49	EPA 200.8						
OES-BRR-F-1 (A2B0599-47)		Matrix: Drinking Water											
Batch: 22B0821													
Lead	5.00		0.200	ug/L	1	02/25/22 20:53	EPA 200.8						
OES-BRR-F-2 (A2B0599-48)				Matrix: Di	rinking Wate	er							
Batch: 22B0821													
Lead	0.611		0.200	ug/L	1	02/25/22 20:57	EPA 200.8						
OES-BRR-F-3 (A2B0599-49)				Matrix: Di	rinking Wate	er							
Batch: 22B0821													
Lead	0.254		0.200	ug/L	1	02/25/22 21:00	EPA 200.8						

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Vancouver, WA 98685

ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Sterling Technologies LLCProject:Drinking Water - 2022317 NE 144th StProject Number:Olympic Elementary School

Project Manager: Thomas Nadermann

Report ID: A2B0599 - 03 03 22 1129

QUALITY CONTROL (QC) SAMPLE RESULTS

		Tota	l Metals in	Drinking	Water by	EPA 200.	8 (ICPM	S)				
Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22B0794 - EPA 200.8 Dire	ect Analy	sis					Dri	nking Wate	er			
Blank (22B0794-BLK1)			Prepared	: 02/22/22	08:43 Ana	yzed: 02/24	/22 18:23					
<u>EPA 200.8</u> Lead	ND		0.200	ug/L	1							
LCS (22B0794-BS1)			Prepared	: 02/22/22	08:43 Anal	yzed: 02/24	/22 18:26					
EPA 200.8												
Lead	16.3		0.201	ug/L	1	15.0		108	85-115%			
Duplicate (22B0794-DUP1)			Prepared	: 02/22/22	08:43 Ana	yzed: 02/24	/22 18:34					
QC Source Sample: Non-SDG (A2I	30597-37)											
Lead	0.981		0.200	ug/L	1		0.994			1	20%	
Matrix Spike (22B0794-MS1)			Prepared	: 02/22/22	08:43 Ana	yzed: 02/24	/22 18:37					
QC Source Sample: Non-SDG (A2I	30597-37)											
EPA 200.8												
Lead	16.4		0.201	ug/L	1	15.0	0.994	103	70-130%			
Matrix Spike (22B0794-MS2)			Prepared	: 02/22/22	08:43 Anal	yzed: 02/25	/22 15:30					
QC Source Sample: OES-7-F (A2B	80599-09)											
EPA 200.8												
Lead	16.2		0.201	ug/L	1	15.0	0.339	105	70-130%			
Batch 22B0795 - EPA 200.8 Dire	ect Analy	sis					Dri	nking Wate	er			
Blank (22B0795-BLK1)			Prepared	: 02/22/22	08:46 Ana	yzed: 02/25	/22 15:35					
EPA 200.8												
Lead	ND		0.200	ug/L	1							
LCS (22B0795-BS1)			Prepared	: 02/22/22	08:46 Ana	yzed: 02/25	/22 15:38					
EPA 200.8												
Lead	15.9		0.201	ug/L	1	15.0		106	85-115%			
Duplicate (22B0795-DUP1)			Prepared	: 02/22/22	08:46 Ana	yzed: 02/25	/22 15:45					
OC Source Sample: OES-8-F (A2E	80599-10)											

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Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Sterling Technologies LLC 317 NE 144th St

Vancouver, WA 98685

Project: Drinking Water - 2022
Project Number: Olympic Elementary School
Project Manager: Thomas Nadermann

Report ID: A2B0599 - 03 03 22 1129

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS) Detection Reporting Spike Source % REC RPD Dilution Analyte Result Ĺimit Units Amount Result % REC Limits RPD Limit Notes Limit Batch 22B0795 - EPA 200.8 Direct Analysis **Drinking Water** Duplicate (22B0795-DUP1) Prepared: 02/22/22 08:46 Analyzed: 02/25/22 15:45 QC Source Sample: OES-8-F (A2B0599-10) EPA 200.8 0.200 20% Lead 0.338 0.334 ug/L Matrix Spike (22B0795-MS1) Prepared: 02/22/22 08:46 Analyzed: 02/25/22 15:49 QC Source Sample: OES-8-F (A2B0599-10) EPA 200.8 Lead 16.0 0.201 ug/L 15.0 0.334 104 70-130% Matrix Spike (22B0795-MS2) Prepared: 02/22/22 08:46 Analyzed: 02/25/22 19:17 QC Source Sample: OES-L-F (A2B0599-29) EPA 200.8 ug/L Lead 15.7 0.201 1 15.0 0.763 100 70-130%

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6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

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Sterling Technologies LLC 317 NE 144th St

Vancouver, WA 98685

Project: Drinking Water - 2022
Project Number: Olympic Elementary School
Project Manager: Thomas Nadermann

Report ID: A2B0599 - 03 03 22 1129

QUALITY CONTROL (QC) SAMPLE RESULTS

		Tota	l Metals in l	Drinking	Water by	EPA 200.	8 (ICPM	S)				
Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22B0821 - EPA 200.8 Dire	ect Analy	sis					Dri	nking Wate	r			
Blank (22B0821-BLK1)			Prepared	: 02/22/22	14:26 Anal	lyzed: 02/25	/22 19:21					
EPA 200.8 Lead	ND		0.200	ug/L	1							
LCS (22B0821-BS1)			Prepared	: 02/22/22	14:26 Ana	lyzed: 02/25	/22 19:24					
EPA 200.8 Lead	16.1		0.201	ug/L	1	15.0		108	85-115%			
Duplicate (22B0821-DUP1)			Prepared	: 02/22/22	14:26 Anal	yzed: 02/25	/22 19:32					
QC Source Sample: OES-LO-F (AZ	2B0599-30	!										
EPA 200.8 Lead	0.258		0.200	ug/L	1		0.276			6	20%	
Matrix Spike (22B0821-MS1)			Prepared	: 02/22/22	14:26 Ana	yzed: 02/25	/22 19:43					
OC Source Sample: OES-LO-F (AZ EPA 200.8	2B0599-30	l.										
Lead	15.1		0.201	ug/L	1	15.0	0.276	99	70-130%			
Matrix Spike (22B0821-MS2)			Prepared	: 02/22/22	14:26 Ana	lyzed: 02/25	/22 21:11					
QC Source Sample: OES-BRR-F-3	(A2B0599	-49)										
EPA 200.8 Lead	15.4		0.201	ug/L	1	15.0	0.254	101	70-130%			

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Vancouver, WA 98685

ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Report ID:

Sterling Technologies LLCProject:Drinking Water - 2022317 NE 144th StProject Number:Olympic Elementary School

Project Manager: Thomas Nadermann A2B0599 - 03 03 22 1129

SAMPLE PREPARATION INFORMATION

Prep: EPA 200.8 D	<u> Direct Analysis</u>				Sample	Default	RL Pre
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
Batch: 22B0794			*	*			
A2B0599-01	Drinking Water	EPA 200.8	02/16/22 00:00	02/22/22 08:43	10mL/10mL	10mL/10mL	1.00
A2B0599-02	Drinking Water	EPA 200.8	02/16/22 00:00	02/22/22 08:43	10mL/10mL	10mL/10mL	1.00
A2B0599-03	Drinking Water	EPA 200.8	02/16/22 00:00	02/22/22 08:43	10mL/10mL	10mL/10mL	1.00
A2B0599-04	Drinking Water	EPA 200.8	02/16/22 00:00	02/22/22 08:43	10mL/10mL	10mL/10mL	1.00
A2B0599-05	Drinking Water	EPA 200.8	02/16/22 00:00	02/22/22 08:43	10mL/10mL	10mL/10mL	1.00
A2B0599-06	Drinking Water	EPA 200.8	02/16/22 00:00	02/22/22 08:43	10mL/10mL	10mL/10mL	1.00
A2B0599-07	Drinking Water	EPA 200.8	02/16/22 00:00	02/22/22 08:43	10mL/10mL	10mL/10mL	1.00
A2B0599-08	Drinking Water	EPA 200.8	02/16/22 00:00	02/22/22 08:43	10mL/10mL	10mL/10mL	1.00
A2B0599-09	Drinking Water	EPA 200.8	02/16/22 00:00	02/22/22 08:43	10mL/10mL	10mL/10mL	1.00
Batch: 22B0795							
A2B0599-10	Drinking Water	EPA 200.8	02/16/22 00:00	02/22/22 08:46	10mL/10mL	10mL/10mL	1.00
A2B0599-11	Drinking Water	EPA 200.8	02/16/22 00:00	02/22/22 08:46	10mL/10mL	10mL/10mL	1.00
A2B0599-12	Drinking Water	EPA 200.8	02/16/22 00:00	02/22/22 08:46	10mL/10mL	10mL/10mL	1.00
A2B0599-13	Drinking Water	EPA 200.8	02/16/22 00:00	02/22/22 08:46	10mL/10mL	10mL/10mL	1.00
A2B0599-14	Drinking Water	EPA 200.8	02/16/22 00:00	02/22/22 08:46	10mL/10mL	10mL/10mL	1.00
A2B0599-15RE1	Drinking Water	EPA 200.8	02/16/22 00:00	02/22/22 08:46	10mL/10mL	10mL/10mL	1.00
A2B0599-16RE1	Drinking Water	EPA 200.8	02/16/22 00:00	02/22/22 08:46	10mL/10mL	10mL/10mL	1.00
A2B0599-17RE1	Drinking Water	EPA 200.8	02/16/22 00:00	02/22/22 08:46	10mL/10mL	10mL/10mL	1.00
A2B0599-18RE1	Drinking Water	EPA 200.8	02/16/22 00:00	02/22/22 08:46	10mL/10mL	10mL/10mL	1.00
A2B0599-19RE1	Drinking Water	EPA 200.8	02/16/22 00:00	02/22/22 08:46	10mL/10mL	10mL/10mL	1.00
A2B0599-20RE1	Drinking Water	EPA 200.8	02/16/22 00:00	02/22/22 08:46	10mL/10mL	10mL/10mL	1.00
A2B0599-21RE1	Drinking Water	EPA 200.8	02/16/22 00:00	02/22/22 08:46	10mL/10mL	10mL/10mL	1.00
A2B0599-22RE1	Drinking Water	EPA 200.8	02/16/22 00:00	02/22/22 08:46	10mL/10mL	10mL/10mL	1.00
A2B0599-23RE1	Drinking Water	EPA 200.8	02/16/22 00:00	02/22/22 08:46	10mL/10mL	10mL/10mL	1.00
A2B0599-24RE1	Drinking Water	EPA 200.8	02/16/22 00:00	02/22/22 08:46	10mL/10mL	10mL/10mL	1.00
A2B0599-25RE1	Drinking Water	EPA 200.8	02/16/22 00:00	02/22/22 08:46	10mL/10mL	10mL/10mL	1.00
A2B0599-26RE1	Drinking Water	EPA 200.8	02/16/22 00:00	02/22/22 08:46	10mL/10mL	10mL/10mL	1.00
A2B0599-27RE1	Drinking Water	EPA 200.8	02/16/22 00:00	02/22/22 08:46	10mL/10mL	10mL/10mL	1.00
A2B0599-28RE1	Drinking Water	EPA 200.8	02/16/22 00:00	02/22/22 08:46	10mL/10mL	10mL/10mL	1.00
A2B0599-29	Drinking Water	EPA 200.8	02/16/22 00:00	02/22/22 08:46	10mL/10mL	10 mL / 10 mL	1.00
Batch: 22B0821							
A2B0599-30	Drinking Water	EPA 200.8	02/16/22 00:00	02/22/22 14:26	10mL/10mL	10mL/10mL	1.00
A2B0599-31	Drinking Water	EPA 200.8	02/16/22 00:00	02/22/22 14:26	10mL/10mL	10mL/10mL	1.00
A2B0599-32	Drinking Water	EPA 200.8	02/16/22 00:00	02/22/22 14:26	10mL/10mL	10mL/10mL	1.00
A2B0599-33	Drinking Water	EPA 200.8	02/16/22 00:00	02/22/22 14:26	10mL/10mL	10mL/10mL	1.00

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Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Sterling Technologies LLCProject:Drinking Water - 2022317 NE 144th StProject Number:Olympic Elementary SchoolVancouver, WA 98685Project Manager:Thomas Nadermann

Report ID: A2B0599 - 03 03 22 1129

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						
A2B0599-34	Drinking Water	EPA 200.8	02/16/22 00:00	02/22/22 14:26	10mL/10mL	10mL/10mL	1.00						
A2B0599-35	Drinking Water	EPA 200.8	02/16/22 00:00	02/22/22 14:26	10mL/10mL	10mL/10mL	1.00						
A2B0599-36	Drinking Water	EPA 200.8	02/16/22 00:00	02/22/22 14:26	10mL/10mL	10mL/10mL	1.00						
A2B0599-37	Drinking Water	EPA 200.8	02/16/22 00:00	02/22/22 14:26	10mL/10mL	10mL/10mL	1.00						
A2B0599-38	Drinking Water	EPA 200.8	02/16/22 00:00	02/22/22 14:26	10mL/10mL	10mL/10mL	1.00						
A2B0599-39	Drinking Water	EPA 200.8	02/16/22 00:00	02/22/22 14:26	10mL/10mL	10mL/10mL	1.00						
A2B0599-40	Drinking Water	EPA 200.8	02/16/22 00:00	02/22/22 14:26	10mL/10mL	10mL/10mL	1.00						
A2B0599-41	Drinking Water	EPA 200.8	02/16/22 00:00	02/22/22 14:26	10mL/10mL	10mL/10mL	1.00						
A2B0599-42	Drinking Water	EPA 200.8	02/16/22 00:00	02/22/22 14:26	10mL/10mL	10mL/10mL	1.00						
A2B0599-43	Drinking Water	EPA 200.8	02/16/22 00:00	02/22/22 14:26	10mL/10mL	10mL/10mL	1.00						
A2B0599-44	Drinking Water	EPA 200.8	02/16/22 00:00	02/22/22 14:26	10mL/10mL	10mL/10mL	1.00						
A2B0599-45	Drinking Water	EPA 200.8	02/16/22 00:00	02/22/22 14:26	10mL/10mL	10mL/10mL	1.00						
A2B0599-46	Drinking Water	EPA 200.8	02/16/22 00:00	02/22/22 14:26	10mL/10mL	10mL/10mL	1.00						
A2B0599-47	Drinking Water	EPA 200.8	02/16/22 00:00	02/22/22 14:26	10mL/10mL	10mL/10mL	1.00						
A2B0599-48	Drinking Water	EPA 200.8	02/16/22 00:00	02/22/22 14:26	10mL/10mL	10mL/10mL	1.00						
A2B0599-49	Drinking Water	EPA 200.8	02/16/22 00:00	02/22/22 14:26	10 mL / 10 mL	10mL/10mL	1.00						

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Darrell Auvil, Client Services Manager

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Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Sterling Technologies LLCProject:Drinking Water - 2022317 NE 144th StProject Number:Olympic Elementary SchoolVancouver, WA 98685Project Manager:Thomas Nadermann

Report ID: A2B0599 - 03 03 22 1129

QUALIFIER DEFINITIONS

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

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

Apex Laboratories

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Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Sterling Technologies LLCProject:Drinking Water - 2022317 NE 144th StProject Number:Olympic Elementary SchoolReport ID:Vancouver, WA 98685Project Manager:Thomas NadermannA2B0599 - 03 03 22 1129

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) may not be 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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Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

 Sterling Technologies LLC
 Project:
 Drinking Water - 2022

 317 NE 144th St
 Project Number:
 Olympic Elementary School

 Vancouver, WA 98685
 Project Manager:
 Thomas Nadermann

Report ID: A2B0599 - 03 03 22 1129

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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Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

 Sterling Technologies LLC
 Project:
 Drinking Water - 2022

 317 NE 144th St
 Project Number:
 Olympic Elementary School

 Vancouver, WA 98685
 Project Manager:
 Thomas Nadermann

Report ID: A2B0599 - 03 03 22 1129

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 <u>exception</u> 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 provded by the client or sampler, and fall outside of Apex Laboratories' Scope of Accreditation.

Apex Laboratories

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

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Vancouver, WA 98685

ANALYTICAL REPORT

Apex Laboratories, LLC

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<u>Sterling Technologies LLC</u> Project: <u>Drinking Water - 2022</u>

317 NE 144th St Project Number: Olympic Elementary School

Project Number: Olympic Elementary School Report ID:
Project Manager: Thomas Nadermann A2B0599 - 03 03 22 1129

Sterling Technologies, LLC Providing technical consulting support to the environmental and manufacturing industries 317 NE 144* Street Vancouver, WA 98685 360.576.6331	Turnaround Time: Normal: Other:	Vsis Comments CPA Netherd 200,8 Date: Feb 16,2022 2/16/22 12:26
	Lest Drinking Westertha Lead Olympic Elementery School Febile, 2022 T. Nackermann	Location/Description Analysis Class - - Sink Faucet " - - Girls - Sink " - 2 - Sink Faucet " - 2 - Sink Faucet " - 2 - Sink Faucet " - 2 - " " " - 4 - " " " - 5 - " " " - 6 - " " " - 7 - " " " - 10 - " " " - 10 - " "
Chain of Custody	Project Name: Site Location: Date: Project Contact:	Sample ID (1 - 1-6 (1 - 1-6 (1 - 1-6 (1 - 2-F (1 - 2-F (1 - 1-6 (1 - 1-7 (1 - 1-6 (1 - 1-7 (1 - 1-6 (1 - 1-7 (1 - 1-6 (1 - 11-F (

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Sterling Technologies LLC

317 NE 144th St

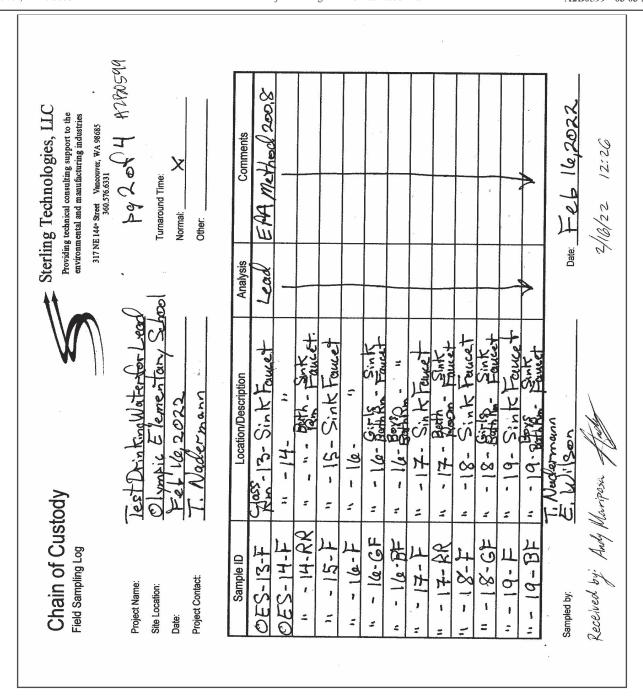
Vancouver, WA 98685

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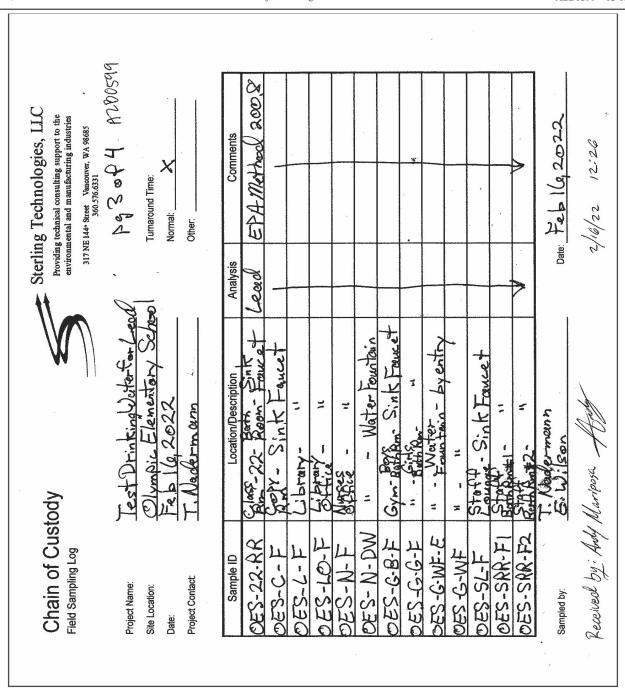
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Sterling Technologies, LLC Providing technical consulting support to the environmental and manufacturing industries 317 NE 144* Street Vancouver, WA 98685 360.576.6331	Patoff R780599 Turnaround Time. Normal:	Analysis Comments Lead EPA Method 2008 Date: Feb 16,2022 2/16/22 12:26
tody	Test Drinking Worter for Lead Olympic Elementery School Feb 16, 2022	Kitchen-Sintx - # 1 " - #2 Hell-Sintx Fower " - Ber-Rin North-Sintx West-Water Fouret " - Ber-Rin - #2 " - Berth & - #2 " - #2 " - #2 " - #3 " - #3 " - #4 " - #5 " - #5 " - #5 " - #4 " - #5 " - #5 " - #5 " - #5 " - #5 " - #5 " - #5 " - #5 " - #4 " - #5 " - #5 " - #4 " - #5 " - #5 " - #4 " - #5 " - #4 " - #5 " - #4 " - #5 " - #4 " -
Chain of Custody	Project Name: Site Location: Date: Project Contact:	Sample ID Location Sample ID Location Services Line Rither Script CES-K-F.2 BRR-E.2 BRR-E.3

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APEX LABS COOLER RECEIPT FORM				
Client: Stevling Technologies (1) Element WO#: A2 80599				
Project/Project #: OTYMPIC + Tementary Ochool				
Delivery Info:				
Date/time received: 2/16/22@12:26 By: #W				
Delivered by: Apex Client ESS FedEx UPS Swift Senvoy SDS Other				
Cooler Inspection Date/time inspected: 2/16/22 @ 1440 By: (75)				
Chain of Custody included? Yes No Custody seals? Yes No				
Signed/dated by client? Yes No				
Signed/dated by Apex? Yes Yes No				
Cooler #1 Cooler #2 Cooler #3 Cooler #4 Cooler #5 Cooler #6 Cooler #7 Temperature (°C) Received on ice? (Y/N) Temp. blanks? (Y/N) Ice type: (Gel/Real/Other) Condition: Cooler out of temp? (Y/N) Possible reason why:				
Do VOA vials have visible headspace? Yes No NA Y				
Comments				
Water samples: pH checked: Yes No NA pH appropriate? Yes No NA				
Comments:				
Additional information:				
Labeled by: Cooler Inspected by:				
WW XPPS				

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