

Limited Lead in Drinking Water Assessment

**Longview Public Schools
Longview, Washington
Monticello Middle School**



Assessment Date(s): May 11 and June 2, 2022

Report Date: July 18th, 2022

Prepared for: Jason Reetz, Facilities Manager
Longview Public Schools

Facility Owner/Operator: Longview Public Schools



Prepared By:
Sterling Technologies, LLC
317 NE 144th Street
Vancouver, WA 98685



Limited Lead in Drinking Water Assessment

Introduction

Sterling Technologies (Sterling) has recently completed a limited lead in drinking water screening of the Monticello Middle School, Longview Public Schools, located at 1225 28th Avenue in Longview, Washington. The purpose of the investigation was to identify the levels of lead in the various sources of drinking water throughout the school. Sample locations included drinking water fountains, classroom sink water faucets, restroom sink water faucets, and kitchen sink 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 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 water systems (schools in this case) must provide individual lead tap results to the people who receive water from the 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 116 drinking water sources at the school.

110 samples were found to NOT contain elevated lead levels as they were below 15 ppb.

6 samples were found to contain elevated lead levels as they were above 15 ppb. 31 samples contained lead below the federal standard.

Sampling

The samples were collected by EPA accredited inspectors provided by Sterling. Samples included representative amounts of water. The lead in drinking 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.

Assessment Results

Analytical Results: Lead in Drinking Water

Item	Sample ID.	Location	Result (2.97µ/L)
1	M-101-F	Classroom 101, Sink Faucet	0.838



Item	Sample ID.	Location	Result (2.97µ/L)
2	M-101-DW	Classroom 101, Water Fountain	0.506
3	M-102-DF-R	Classroom 102, Water Fountain Right	ND
4	M-102-DF-L	Classroom 102, Water Fountain Left	ND
5	M-103-F	Classroom 103, Sink Faucet	3.46
6	M-103-DW	Classroom 103, Water Fountain	0.864
7	M-107-F1	Classroom 107, Sink Faucet 1	0.744
8	M-107-F2	Classroom 107, Sink Faucet 2	1.49
9	M-107-F3	Classroom 107, Sink Faucet 3	0.495
10	M-107-F4	Classroom 107, Sink Faucet 4	1.55
11	M-109-FL	Classroom 109, Sink Faucet Left	7.71
12	M-109-FR	Classroom 109, Sink Faucet Right	23.3
13	M-115-F-1	Classroom 115, Sink Faucet 1	3.26
14	M-115-F-2	Classroom 115, Sink Faucet 2	1.38
15	M-115-F-3	Classroom 115, Sink Faucet 3	1.26
16	M-115-F-4	Classroom 115, Sink Faucet 4	2.25
17	M-115-C-1	Classroom 115 Center, Sink Faucet 1	10.9
18	M-115-C-2	Classroom 115 Center, Sink Faucet 2	6.17
19	M-115-C-3	Classroom 115 Center, Sink Faucet 3	7.69
20	M-115-C-4	Classroom 115 Center, Sink Faucet 4	9.70
21	M-LGIC-F	Classroom 115 LGIC, Sink Faucet	1.27
22	M-N-O-DF	Nurse's Office, Water Fountain	ND
23	M-N-O-F	Nurse's Office, Sink Faucet	0.575
24	M-N-BRR-F	Nurse's Office Boys Restroom, Sink Faucet	0.447
25	M-N-GRR-F	Nurse's Office Girls Restroom, Sink Faucet	0.849
26	M-116-F-1	Classroom 116, Sink Faucet 1	0.667
27	M-116-F-2	Classroom 116, Sink Faucet 2	0.763
28	M-116-F-3	Classroom 116, Sink Faucet 3	0.874
29	M-116-F-4	Classroom 116, Sink Faucet 4	0.703
30	M-116-F-5	Classroom 116, Sink Faucet 5	1.63
31	M-116-F-6	Classroom 116, Sink Faucet 6	0.946
32	M-116-F-7	Classroom 116, Sink Faucet 7	1.88
33	M-K-F-1	Kitchen, Sink Faucet 1	2.30
34	M-K-F-2	Kitchen, Sink Faucet 2	5.99
35	M-K-F-3	Kitchen, Sink Faucet 3	2.97



Item	Sample ID.	Location	Result (2.97µ/L)
36	M-K-RR-F	Kitchen Restroom, Sink Faucet	0.715
37	M-K-HS-F	Kitchen, Hand Sink Faucet	1.19
38	M-K-SP	Kitchen Steam Pot, Faucet	4.53
39	M-118-F-1	Classroom 118, Sink Faucet 1	1.62
40	M-118-F-2	Classroom 118, Sink Faucet 2	2.63
41	M-118-F-3	Classroom 118, Sink Faucet 3	2.81
42	M-118-F-4	Classroom 118, Sink Faucet 4	3.36
43	M-118-F-5	Classroom 118, Sink Faucet 5	1.42
44	M-118-F-6	Classroom 118, Sink Faucet 6	2.91
45	M-118-F-7	Classroom 118, Sink Faucet 7	1.89
46	M-150-F	Classroom 150, Sink Faucet	ND
47	M-150-DWF	Classroom 150, Water Fountain	0.284
48	M-159-F	Classroom 159, Sink Faucet	32.4
49	M-159-DWF	Classroom 159, Water Fountain	4.56
50	M-C-DW	Commons, Water Fountain	ND
51	M-BRR-109	Boys Restroom by Classroom 109	11.0
52	M-153-F-1	Classroom 153, Sink Faucet 1	1.94
53	M-153-F-2	Classroom 153, Sink Faucet 2	2.87
54	M-153-F-3	Classroom 153, Sink Faucet 3	1.92
55	M-153-F-4	Classroom 153, Sink Faucet 4	2.26
56	M-153-F-5	Classroom 153, Sink Faucet 5	3.74
57	M-153-F-6	Classroom 153, Sink Faucet 6	8.89
58	M-153-F-7	Classroom 153, Sink Faucet 7	7.00
59	M-153-F-8	Classroom 153, Sink Faucet 8	3.01
60	M-153-F-9	Classroom 153, Sink Faucet 9	15.9
61	M-M-BRR-F	Music Hall Boys Restroom, Sink Faucet	1.06
62	M-M-GRR-F	Music Hall Girls Restroom, Sink Faucet	2.67
63	M-BPE-WF	Boys PE Office, Water Fountain	0.607
64	M-H-DWF-115	Hall by Classroom 115, Water Fountain	ND
65	M-O-WRRF	Office Women's Restroom, Faucet	0.321
66	M-O-MRRF	Office Men's Restroom, Faucet	1.46
67	M-GRR-115	Girls Restroom by Classroom 115	0.633
68	M-BRR-115	Boys Restroom by Classroom 115	2.05
69	M-BLR-RR-R	Boys Locker Room Restroom, Faucet Right	0.939



Item	Sample ID.	Location	Result (2.97µ/L)
70	M-BLR-RR-L	Bous Locker Room Restroom, Faucet Left	0.435
71	M-GPE-WF-R	Girls PE, Water Fountain Right	ND
72	M-GPE-WF-L	Girls PE, Water Fountain Left	ND
73	M-BPE-S-RR-F	Boys PE Staff Restroom, Sink Faucet	0.496
74	M-M-SRR-RF	Music Hall Staff Restroom, Sink Faucet Right	0.990
75	M-M-SRR-LF	Music Hall Staff Restroom Sink Faucet Left	0.490
76	M-GRR-102-F	Girls Restroom by Classroom 102, Sink Faucet	12.8
77	M-GRR-155-F	Girls Restroom by Classroom 155, Sink Faucet	0.998
78	M-BRR-101-F	Boys Restroom by Classroom 101, Sink Faucet	1.95
79	M-HDF-155	Hall by Classroom 155, Water Fountain	0.935
80	M-C-BRR-F	Hall Restroom by Commons, Faucet	3.96
81	M-120-F-1	Classroom 120 North, Sink Faucet 1	1.14
82	M-120-F-2	Classroom 120 North, Sink Faucet 2	7.25
83	M-120-F-3	Classroom 120 North, Sink Faucet 3	2.07
84	M-120-NF-1	Classroom 120 North, Sink Faucet 1	1.62
85	M-120-NF-2	Classroom 120 North, Sink Faucet 2	1.87
86	M-120-NF-3	Classroom 120 North, Sink Faucet 3	1.74
87	M-120-PF	Classroom 120 Science Prep, Sink Faucet	38.9
88	M-120-RF	Classroom 120, Sink Faucet Right Side	1.05
89	M-C-S-F	Commons Staff Lunch, Sink Faucet	1.51
90	M-150-RR-F	Classroom 150 Restroom, Sink Faucet	1.06
91	M-159-RR-F	Classroom 159 Restroom, Sink Faucet	1.47
92	M-C-SRR-R	Commons Staff Restroom, Sink Faucet Right	0.435
93	M-C-SRR-L	Commons Staff Restroom, Sink Faucet Left	0.473
94	M-BPES-RRR	PE Boys Showers Restroom, Faucet Right	1.52
95	M-BPES-RRL	PE Boys Showers Restroom, Faucet Left	0.799
96	M-GPES-RRR	PE Girls Showers Restroom, Faucet Right	13.2
97	M-GPES-RRF	PE Girls Staff Restroom, Faucet	1.50
98	M-200-F	Classroom 200, Sink Faucet	1.53
99	M-200-DF	Classroom 200, Drinking Fountain	0.518
100	M-202-DW	Classroom 202, Drinking Fountain	1.77
101	M-202-F	Classroom 202, Sink Faucet	1.14
102	M-203-F	Classroom 203, Sink Faucet	0.996
103	M-203-DW	Classroom 203, Drinking Fountain	1.80



Item	Sample ID.	Location	Result (2.97µ/L)
104	M-205-DW	Classroom 205, Drinking Fountain	2.33
105	M-205-F	Classroom 205, Sink Faucet	0.604
106	M-L-SF	Library, Sink Faucet	1.69
107	M-BRR-205	Boys Restroom by Classroom 205, Sink Faucet	15.4
108	M-BRR-215	Boys Restroom by Classroom 215, Sink Faucet	1.99
109	M-GRR-208	Girls Restroom by Classroom 208, Sink Faucet	2.18
110	M-DW-205	Hall Drinking Fountain by Classroom 205	ND
111	M-206-DW	Classroom 206, Drinking Fountain	2.01
112	M-205-F-A	Classroom 206, Sink Faucet A	0.405
113	M-205-F-B	Classroom 206, Sink Faucet B	7.61
114	M-207-DW	Hall Drinking Fountain by Classroom 207	0.570
115	M-DW-216	Hall Drinking Fountain by Classroom 216	ND
116	M-GRR-216	Girls Restroom by Classroom 216, Sink Faucet	2.57

As highlighted () in the above table, the lab results for 6 of the 116 drinking water samples collected were found to be at or above the 15 ppb action level for lead in drinking water. The remaining 110 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

Six locations was noted to have elevated lead in drinking water. No elevated lead in drinking water levels were noted in the other locations that were sampled at the school, and the results were below the lead in drinking water EPA standard under the Safe Drinking Water Act of 15 ppb. Thirty one drinking water locations did have residual lead levels above a background level of 2.0 ppb.

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 older school plumbing systems and the residual levels of lead noted in the drinking water sources in 31 locations, Sterling recommends that the district consider replacement of all water fountains at the campus 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).

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

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*

<u>Certification #</u>	<u>Issuance Date</u>	<u>Expiration Date</u>
0493	02/08/2021	10/22/2023

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*

<u>Certification #</u>	<u>Issuance Date</u>	<u>Expiration Date</u>
8040	08/26/2021	07/22/2024



Appendix B

Field Data

Laboratory Results



**A2E0536****Apex Labs Cooler Receipt Summary Report****Sterling Technologies LLC (Thomas Nadermann)****Project: Drinking Water - 2022****Project #: Monticello Middle School****Received: 05/12/22 12:33**

A2E0536

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

One Cooler received at 14.8 deg C: (Temperature OK)

Samples:

A2E0536-01	Drinking Water	<u>M-101-F</u>	05/11/22 00:00
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Analysis	TAT	Due	Hold1	Hold1 Type	Expires
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022

A2E0536-02	Drinking Water	<u>M-101-DW</u>	05/11/22 00:00
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Analysis	TAT	Due	Hold1	Hold1 Type	Expires
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022

A2E0536-03	Drinking Water	<u>M-102-DF-R</u>	05/11/22 00:00
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Analysis	TAT	Due	Hold1	Hold1 Type	Expires
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022

A2E0536-04	Drinking Water	<u>M-102-DF-L</u>	05/11/22 00:00
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Analysis	TAT	Due	Hold1	Hold1 Type	Expires
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022

A2E0536-05	Drinking Water	<u>M-103-F</u>	05/11/22 00:00
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Analysis	TAT	Due	Hold1	Hold1 Type	Expires
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022

A2E0536-06	Drinking Water	<u>M-103-DW</u>	05/11/22 00:00
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Analysis	TAT	Due	Hold1	Hold1 Type	Expires
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022

A2E0536-07	Drinking Water	<u>M-107-F1</u>	05/11/22 00:00
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Analysis	TAT	Due	Hold1	Hold1 Type	Expires
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022

Apex Labs Cooler Receipt Summary Report

Sterling Technologies LLC (Thomas Nadermann)

Project: Drinking Water - 2022

Project #: Monticello Middle School

Received: 05/12/22 12:33

A2E0536

A2E0536-08	Drinking Water	<u>M-107-F2</u>	05/11/22 00:00			
Analysis	TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-09	Drinking Water	<u>M-107-F3</u>	05/11/22 00:00			
Analysis	TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-10	Drinking Water	<u>M-107-F4</u>	05/11/22 00:00			
Analysis	TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-11	Drinking Water	<u>M-109-F-L</u>	05/11/22 00:00			
Analysis	TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-12	Drinking Water	<u>M-109-F-R</u>	05/11/22 00:00			
Analysis	TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-13	Drinking Water	<u>M115-F-1</u>	05/11/22 00:00			
Analysis	TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-14	Drinking Water	<u>M115-F-2</u>	05/11/22 00:00			
Analysis	TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-15	Drinking Water	<u>M115-F-3</u>	05/11/22 00:00			
Analysis	TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-16	Drinking Water	<u>M115-F-4</u>	05/11/22 00:00			
Analysis	TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-17	Drinking Water	<u>M115-C-1</u>	05/11/22 00:00			
Analysis	TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	

Apex Labs Cooler Receipt Summary Report

Sterling Technologies LLC (Thomas Nadermann)

Project: Drinking Water - 2022

Project #: Monticello Middle School

Received: 05/12/22 12:33

A2E0536

A2E0536-18		Drinking Water		M115-C-2		05/11/22 00:00	
Analysis		TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total		10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-19		Drinking Water		M115-C-3		05/11/22 00:00	
Analysis		TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total		10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-20		Drinking Water		M115-C-4		05/11/22 00:00	
Analysis		TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total		10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-21		Drinking Water		M-LGIC-F		05/11/22 00:00	
Analysis		TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total		10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-22		Drinking Water		M-N-O-DF		05/11/22 00:00	
Analysis		TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total		10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-23		Drinking Water		M-N-O-F		05/11/22 00:00	
Analysis		TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total		10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-24		Drinking Water		M-N-BRR-F		05/11/22 00:00	
Analysis		TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total		10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-25		Drinking Water		M-N-GRR-F		05/11/22 00:00	
Analysis		TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total		10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-26		Drinking Water		M-116-F-1		05/11/22 00:00	
Analysis		TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total		10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-27		Drinking Water		M-116-F-2		05/11/22 00:00	
Analysis		TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total		10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	

Apex Labs Cooler Receipt Summary Report

Sterling Technologies LLC (Thomas Nadermann)

Project: Drinking Water - 2022

Project #: Monticello Middle School

Received: 05/12/22 12:33

A2E0536

A2E0536-28	Drinking Water	<u>M-116-F-3</u>	05/11/22 00:00			
Analysis	TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-29	Drinking Water	<u>M-116-F-4</u>	05/11/22 00:00			
Analysis	TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-30	Drinking Water	<u>M-116-F-5</u>	05/11/22 00:00			
Analysis	TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-31	Drinking Water	<u>M-116-F-6</u>	05/11/22 00:00			
Analysis	TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-32	Drinking Water	<u>M-116-F-7</u>	05/11/22 00:00			
Analysis	TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-33	Drinking Water	<u>M-K-F-1</u>	05/11/22 00:00			
Analysis	TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-34	Drinking Water	<u>M-K-F-2</u>	05/11/22 00:00			
Analysis	TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-35	Drinking Water	<u>M-K-F-3</u>	05/11/22 00:00			
Analysis	TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-36	Drinking Water	<u>M-K-RR-F</u>	05/11/22 00:00			
Analysis	TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-37	Drinking Water	<u>M-K-HS-F</u>	05/11/22 00:00			
Analysis	TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	

Apex Labs Cooler Receipt Summary Report

Sterling Technologies LLC (Thomas Nadermann)

Project: Drinking Water - 2022

Project #: Monticello Middle School

Received: 05/12/22 12:33

A2E0536

A2E0536-38		Drinking Water		M-K-SP		05/11/22 00:00	
Analysis		TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total		10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-39		Drinking Water		M-118-F-1		05/11/22 00:00	
Analysis		TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total		10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-40		Drinking Water		M-118-F-2		05/11/22 00:00	
Analysis		TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total		10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-41		Drinking Water		M-118-F-3		05/11/22 00:00	
Analysis		TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total		10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-42		Drinking Water		M-118-F-4		05/11/22 00:00	
Analysis		TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total		10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-43		Drinking Water		M-118-F-5		05/11/22 00:00	
Analysis		TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total		10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-44		Drinking Water		M-118-F-6		05/11/22 00:00	
Analysis		TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total		10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-45		Drinking Water		M-118-F-7		05/11/22 00:00	
Analysis		TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total		10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-46		Drinking Water		M-150-F		05/11/22 00:00	
Analysis		TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total		10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-47		Drinking Water		M-150-DWF		05/11/22 00:00	
Analysis		TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total		10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	

Apex Labs Cooler Receipt Summary Report

Sterling Technologies LLC (Thomas Nadermann)

Project: Drinking Water - 2022

Project #: Monticello Middle School

Received: 05/12/22 12:33

A2E0536

A2E0536-48		Drinking Water		M-C-DW		05/11/22 00:00	
Analysis		TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total		10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-49		Drinking Water		M-BRR-109		05/11/22 00:00	
Analysis		TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total		10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-50		Drinking Water		M-153-F1		05/11/22 00:00	
Analysis		TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total		10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-51		Drinking Water		M-153-F2		05/11/22 00:00	
Analysis		TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total		10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-52		Drinking Water		M-153-F3		05/11/22 00:00	
Analysis		TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total		10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-53		Drinking Water		M-153-F-4		05/11/22 00:00	
Analysis		TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total		10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-54		Drinking Water		M-153-F-5		05/11/22 00:00	
Analysis		TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total		10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-55		Drinking Water		M-153-F-6		05/11/22 00:00	
Analysis		TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total		10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-56		Drinking Water		M-153-F-7		05/11/22 00:00	
Analysis		TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total		10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-57		Drinking Water		M-153-F-8		05/11/22 00:00	
Analysis		TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total		10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	

Apex Labs Cooler Receipt Summary Report

Sterling Technologies LLC (Thomas Nadermann)

Project: Drinking Water - 2022

Project #: Monticello Middle School

Received: 05/12/22 12:33

A2E0536

A2E0536-58	Drinking Water	<u>M-153-F-9</u>	05/11/22 00:00			
Analysis	TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-59	Drinking Water	<u>M-M-BRR-F</u>	05/11/22 00:00			
Analysis	TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-60	Drinking Water	<u>M-BPE-WF</u>	05/11/22 00:00			
Analysis	TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-61	Drinking Water	<u>M-H-DWF-115</u>	05/11/22 00:00			
Analysis	TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-62	Drinking Water	<u>M-O-WRRF</u>	05/11/22 00:00			
Analysis	TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-63	Drinking Water	<u>M-O-MRRF</u>	05/11/22 00:00			
Analysis	TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-64	Drinking Water	<u>M-GRR-115</u>	05/11/22 00:00			
Analysis	TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-65	Drinking Water	<u>M-BRR-115</u>	05/11/22 00:00			
Analysis	TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-66	Drinking Water	<u>M-BLR-RR-R</u>	05/11/22 00:00			
Analysis	TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-67	Drinking Water	<u>M-BLR-RR-L</u>	05/11/22 00:00			
Analysis	TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	

Apex Labs Cooler Receipt Summary Report

Sterling Technologies LLC (Thomas Nadermann)

Project: Drinking Water - 2022

Project #: Monticello Middle School

Received: 05/12/22 12:33

A2E0536

A2E0536-68	Drinking Water	<u>M-GPE-WF-R</u>	05/11/22 00:00			
Analysis	TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-69	Drinking Water	<u>M-GPE-WF-L</u>	05/11/22 00:00			
Analysis	TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-70	Drinking Water	<u>M-BPE-S-RR-F</u>	05/11/22 00:00			
Analysis	TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-71	Drinking Water	<u>M-M-SRR-RF</u>	05/11/22 00:00			
Analysis	TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-72	Drinking Water	<u>M-M-SRR-LF</u>	05/11/22 00:00			
Analysis	TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-73	Drinking Water	<u>M-GRR-102-F</u>	05/11/22 00:00			
Analysis	TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-74	Drinking Water	<u>M-GRR-155-F</u>	05/11/22 00:00			
Analysis	TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-75	Drinking Water	<u>M-BRR-101-F</u>	05/11/22 00:00			
Analysis	TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-76	Drinking Water	<u>M-H-DF-155</u>	05/11/22 00:00			
Analysis	TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-77	Drinking Water	<u>M-C-BRR-F</u>	05/11/22 00:00			
Analysis	TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	

Apex Labs Cooler Receipt Summary Report

Sterling Technologies LLC (Thomas Nadermann)

Project: Drinking Water - 2022

Project #: Monticello Middle School

Received: 05/12/22 12:33

A2E0536

A2E0536-78		Drinking Water		M-120-F1		05/11/22 00:00	
Analysis		TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total		10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-79		Drinking Water		M-120-F2		05/11/22 00:00	
Analysis		TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total		10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-80		Drinking Water		M-120-F3		05/11/22 00:00	
Analysis		TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total		10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-81		Drinking Water		M-120-NF1		05/11/22 00:00	
Analysis		TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total		10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-82		Drinking Water		M-120-NF2		05/11/22 00:00	
Analysis		TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total		10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-83		Drinking Water		M-120-NF3		05/11/22 00:00	
Analysis		TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total		10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-84		Drinking Water		M-120-PF		05/11/22 00:00	
Analysis		TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total		10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-85		Drinking Water		M-120-RF		05/11/22 00:00	
Analysis		TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total		10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-86		Drinking Water		M-C-S-F		05/11/22 00:00	
Analysis		TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total		10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-87		Drinking Water		M-150-RR-F		05/11/22 00:00	
Analysis		TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total		10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	

Apex Labs Cooler Receipt Summary Report

Sterling Technologies LLC (Thomas Nadermann)

Project: Drinking Water - 2022

Project #: Monticello Middle School

Received: 05/12/22 12:33

A2E0536

A2E0536-88	Drinking Water	<u>M-159-RR-F</u>	05/11/22 00:00			
Analysis	TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-89	Drinking Water	<u>M-C-SRR-R</u>	05/11/22 00:00			
Analysis	TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-90	Drinking Water	<u>M-C-SRR-L</u>	05/11/22 00:00			
Analysis	TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-91	Drinking Water	<u>M-BPES-RRR</u>	05/11/22 00:00			
Analysis	TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-92	Drinking Water	<u>M-BPES-RRL</u>	05/11/22 00:00			
Analysis	TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-93	Drinking Water	<u>M-GPES-RRR</u>	05/11/22 00:00			
Analysis	TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-94	Drinking Water	<u>M-GPES-RR-F</u>	05/11/22 00:00			
Analysis	TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-95	Drinking Water	<u>M-159-F</u>	05/11/22 00:00			
Analysis	TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-96	Drinking Water	<u>M-159-DWF</u>	05/11/22 00:00			
Analysis	TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	
A2E0536-97	Drinking Water	<u>M-M-GRR-F</u>	05/11/22 00:00			
Analysis	TAT	Due	Hold1	Hold1 Type	Expires	
Pb (Lead) - 200.8 - Total	10	5/26/2022	180	Sampled to Analyzed (Day)	11/7/2022	

Chain of Custody

Field Sampling Log

Sterling Technologies, LLC
 Providing technical consulting support to the
 environmental and manufacturing industries

317 NE 144th Street Vancouver, WA 98685
 360.576.6331

Pg 1 of 8

Project Name:

Monticello Middle School

Site Location:

1225 28th Ave., Longview, WA

Date:

5.11.2022

Project Contact:

T. Nadlerman

Turnaround Time:

Normal: X

Other:

Sample ID	Location/Description	Analysis	Comments
M-101-F	Class 101 Sink	Pb	
M-101-DW	" " " Water	Pb	
M-102-DF-R	" " " Water Fountain	Pb	
M-102-DF-L	" " " Water Fountain - Right	Pb	
M-103-F	" " " Sink	Pb	
M-103-DW	" " " Water Fountain	Pb	
M-107-F1	" " " Sink - 1	Pb	Art Classroom
M-107-F2	" " " Sink - 2	Pb	
M-107-F3	" " " Sink - 3	Pb	
M-107-F4	" " " Sink - 4	Pb	
M-109-F-L	" " " Sink - Left	Pb	
M-109-F-R	" " " Sink - Right	Pb	

Sampled by:

T. Nadlerman
E. Wilson

Date:

5.11.2022

5-12-22
1233

Chain of Custody

Field Sampling Log

ALB0536
Sterling Technologies, LLC
Providing technical consulting support to the
environmental and manufacturing industries
317 NE 144th Street Vancouver, WA 98685
360.576.6331

Project Name:

Mentice Middle School

Site Location:

1225 28th Ave, Longview, WA

Date:

5.11.2022

Project Contact:

Tr. Neidermann

Turnaround Time:

Normal: X

Other:

Sample ID	Location/Description	Analysis	Comments
M115-F-1	Glass-115 - Sink - 1	Pb	Left Faucet
M115-F-2	" - " - " - 2	Pb	
M115-F-3	" - " - " - 3	Pb	
M115-F-4	" - " - " - 4	Pb	
M115-C-1	" - " - Center Sink - 1	Pb	Left Faucet
M115-C-2	" - " - " - " - 2	Pb	
M115-C-3	" - " - " - " - 3	Pb	
M115-C-4	" - " - " - " - 4	Pb	
M-LGIC-F	" - LGIC - Sink - 1	Pb	
M-N.O.DF	Nurse's Office - Water Fountain	Pb	Nurse
M-N.O.F	" - " - Sink - 1	Pb	
M-N.BRR-F	Nurse - Restroom - " - 1	Pb	
M-N.GRR-F	" - Gift Room - " - 1	Pb	

Sampled by:

T. Neidermann
E. Wilson

Date:

5.11.2022
5-12-22
Apex Labs 1233

Chain of Custody

Field Sampling Log

Sterling Technologies, LLC
 Providing technical consulting support to the
 environmental and manufacturing industries

317 NE 144th Street Vancouver, WA 98685
 360.576.6331

Project Name:
 Site Location:
 Date:
 Project Contact:

Monticello Middle School
 1225 28th Ave, Longview, WA
 5.11.2022
 T. Nadlermann

Turnaround Time:

Normal:

Other:

Sample ID	Location/Description	Analysis	Comments
M-116-F-1	Class - 116 - Sink - Faucet - 1	Pb	Right Hand Side
M-116-F-2	" - " - " - 2	Pb	
M-116-F-3	" - " - " - 3	Pb	
M-116-F-4	" - " - " - 4	Pb	
M-116-F-5	" - " - " - 5	Pb	
M-116-F-6	" - " - " - 6	Pb	
M-116-F-7	" - " - " - 7	Pb	Left Hand Side
M-K-F-1	Kitchen Sink - Faucet - 1	Pb	Right Hand Side
M-K-F-2	" - " - 2	Pb	
M-K-F-3	" - " - 3	Pb	
M-K-RR-F	" - Rest. Sink - Faucet	Pb	
M-K-HS-F	" - Hand Sink Faucet	Pb	
M-K-SP	" - SteamPot Faucet	Pb	

Sampled by:

T. Nadlermann
 E. Wilson

Date:

5.11.2022

Apex Labs
 5-1222
 1233

Chain of Custody

Field Sampling Log



A2E0536
Sterling Technologies, LLC
 Providing technical consulting support to the
 environmental and manufacturing industries
 317 NE 144th Street Vancouver, WA 98685
 360.576.6331

Project Name:

Monticello Middle School

Site Location:

1225 28th Ave, Longview, WA

Date:

5.11.2022

Project Contact:

T. Nadermann

Turnaround Time:

Normal: ☒ X

Other:

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Sample ID	Location/Description	Analysis	Comments
M-118-F-1	Class Rm - 118 - Sink Faucet - 1	Pb	Right Hand Side
M-118-F-2	" - " - " - 2	Pb	
M-118-F-3	" - " - " - 3	Pb	
M-118-F-4	" - " - " - 4	Pb	
M-118-F-5	" - " - " - 5	Pb	
M-118-F-6	" - " - " - 6	Pb	
M-118-F-7	" - " - " - 7	Pb	
M-150-F	" - 150 - "	Pb	
M-150-DWF	" - 150 - Water Fountain	Pb	
M-159-F	" - 159 - Sink Faucet	Pb	Left Hand Side
M-159-DWF	" - 159 - Water Fountain	Pb	
M-C-DW	Commons - "	Pb	ELKAY
M-BRR-109	Boys Rm - by Class - 109	Pb	

Sampled by:

T. Nadermann
 E. Wilson

Date:

5.11.2022
 [Signature] 5/12/22
 Apex Labs 1233

Chain of Custody

Field Sampling Log

Sterling Technologies, LLC
 Providing technical consulting support to the
 environmental and manufacturing industries

317 NE 144th Street Vancouver, WA 98685
 360.576.6331

Project Name:

Mentice Middle School

Site Location:

1225 28th Ave., Longview, WA

Date:

5.11.2022

Project Contact:

T. Nadermann

Turnaround Time:

Normal: X

Other: _____

Sample ID	Location/Description	Analysis	Comments
M-153-F1	Class 153 - Sink - 1	Pb	Hm Ec. - Wash Tub
M-153-F2	" - " - " - 2	Pb	
M-153-F3	" - " - " - 3	Pb	
M-153-F4	" - " - " - 4	Pb	
M-153-F5	" - " - " - 5	Pb	
M-153-F6	" - " - " - 6	Pb	
M-153-F7	" - " - " - 7	Pb	
M-153-F8	" - " - " - 8	Pb	
M-153-F9	" - " - " - 9	Pb	
M-M-BRR-F	Music Hall - Restroom - Sink	Pb	Music Hall
M-M-GRR-F	" - Restroom - " - 1	Pb	"
M-BPE-WF	Boys PE Office - Water Fountain	Pb	Boys PE Office
M-H-DWE-115	Hall - Water Fountain by Room 115	Pb	

Sampled by:

T. Nadermann
E. Wilson

Date:

5-12-22
Apex Labs 1233

Chain of Custody

Field Sampling Log

Project Name:

Site Location:

Date:

Project Contact:

Monticello Middle School
1225 28th Ave, Longview, WA
5.11.22
T. Nadelmann

Turnaround Time:

Normal: ☒Other: ☐

Sample ID	Location/Description	Analysis	Comments
M.O.WRRF	Office - Women's Rest Rm - Faucet	Pb	
M.O.MRRF	" - Men's Rest Rm - Faucet	Pb	
M.GRR-115	Girls Rest Rm - by Glass - 115	Pb	
M.BRR-115	Boys Rest Rm - by Glass - 115	Pb	
M.BLR.RR.R	Boys Locker Rm - Rest Rm - Right Sink	Pb	
M.BLR.RR.L	" - " - Rest Rm - Left Sink	Pb	
M.GPE.WF.R	Girls Water Fountain - Right	Pb	
M.GPE.WF.L	" - " - Left	Pb	
M.BPE.S.RR.F	Boys Staff Rest Rm - Faucet	Pb	
M.M.SRR.RF	Music Hall - " - Right Sink	Pb	
M.M.SRR.LF	" - " - Left Sink	Pb	
M.GRR-102.F	Girls Rest Rm by Glass - 102 Sink	Pb	
M.O.WRRF	Office - Women's Rest Rm - Faucet	Pb	

Sampled by:

T. Nadelmann
E. Wilson

Date:

5.11.2022
Apex Labs 1233

Sterling Technologies, LLC
 Providing technical consulting support to the
 environmental and manufacturing industries

317 NE 144th Street Vancouver, WA 98685
 360.576.6331

Pg 6 of 8

Chain of Custody

Field Sampling Log



AZ0536
Sterling Technologies, LLC
 Providing technical consulting support to the
 environmental and manufacturing industries
 317 NE 144th Street Vancouver, WA 98685
 360.576.6331

Project Name:

Monticello Middle School

Site Location:

1225 28th Ave, Longview, WA

Date:

5.11.22

Project Contact:

T. Naderman

Turnaround Time:

Normal: X

Other:

Sample ID	Location/Description	Analysis	Comments
M-GRR-155-F	Girls Rest Rm by Glass 155-Faucet	Pb	
M-BRR-101-F	Boys Rest Rm by " 101- "	Pb	
M-H-DF-155	Hall Water Fountain by Glass 155	Pb	
M-C-BRR-F	" Boys Rest Rm by Commons Faucet	Pb	
M-120-F1	Glass Rm - 120 - Sink Faucet - 1	Pb	Left Hand Side 1
M-120-F2	" - " - " - 2	Pb	" 2
M-120-F3	" - " - " - 3	Pb	" 3
M-120-NF1	" - " - North Sink Faucet - 1	Pb	North Side 1
M-120-NF2	" - " - " - 2	Pb	" 2
M-120-NF3	" - " - " - 3	Pb	" 3
M-120-PF	" - " - Science Sink Faucet	Pb	Science Prep
M-120-RF	" - " - Sink Right Faucet - Right	Pb	Right Hand Side
M-C-S-F	Commons Staff Lunch Sink Faucet	Pb	

Sampled by:

T. Naderman
E. Wilson

Date:

5.11.22
Ed Wilson 5-12-22
 Apex Labs 1233

A2E0536
Sterling Technologies, LLC
Providing technical consulting support to the
environmental and manufacturing industries
317 NE 144th Street Vancover, WA 98685
360.576.6331

Monticello Middle School
1225 28th Ave., Longview, WA

1225 28th Ave., Longview, WA

5.11.22

T. Wacker

Normal: ~~X~~

Other:

Sample ID	Location/Description	Analysis	Comments
M-150-AR-F	Class Rm. 150 Rest Room Sink Faucet	Pb	
M-159-AR-F	" - 159 " " "	Pb	
M-C-SRR-R	Commons Rest Rm Staff Rest Rm Sink Faucet Right	Pb	
M-C-SRR-L	" " " " Left	Pb	
M-BPES-RRR	Phys. Showers Boys Rest Room Sink Faucet Right	Pb	Right Hand Side
M-BPES-RRL	" " " " Left	Pb	Left Hand Side
M-GPES-ARR	" " Girls Showers " " Right	Pb	
M-GPES-ARF	" - Girls Girls Staff Rest Rm Faucet	Pb	
	/	/	
	/	/	
	/	/	
	/	/	
	/	/	

Sampled by:

T. E. Vanderman
W. L. Wilson

Date:

5.11.2022

Apex Labs Cooler Receipt Summary Report

APEX LABS COOLER RECEIPT FORM

Client: Sterling Element WO#: A2E0536

Project/Project #: Mumfresville Middle School

Delivery Info:

Date/time received: 5-12-22 @ 1233 By: MM

Delivered by: Apex ☒ Client ☐ ESS ☐ FedEx ☐ UPS ☐ Swift ☐ Senvoy ☐ SDS ☐ Other ☐

Cooler Inspection Date/time inspected: 5-12-22 @ 1435 By: MM

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)	<u>14.8</u>						
Received on ice? (Y/N)	<u>N</u>						
Temp. blanks? (Y/N)	<u>N</u>						
Ice type: (Gel/Real/Other)	<u>N/A</u>						
Condition:	<u>good</u>						

Cooler out of temp? (Y/N) Possible reason why: drinking water lead testing

Green dots applied to out of temperature samples? Yes ☒ No ☐

Out of temperature samples form initiated? Yes ☒ No ☐ SDS 5-16

Sample Inspection: Date/time inspected: 5-10-22 @ 1320 By: DS

All samples intact? Yes ☒ No ☐ Comments: _____

Bottle labels/COCs agree? Yes ☒ No ☐ Comments: No time/date on conts.

COC/container discrepancies form initiated? Yes ☐ No ☒

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

Do VOA vials have visible headspace? Yes ☐ No ☐ NA ☒

Comments: _____

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

Comments: _____

Additional information: _____

Labeled by:

DS

Witness:

ZAM

Cooler Inspected by:

DS



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Friday, June 24, 2022

Thomas Nadermann
Sterling Technologies LLC
317 NE 144th St
Vancouver, WA 98685

RE: A2F0228 - Drinking Water - 2022 - Monticello Middle School

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 A2F0228, which was received by the laboratory on 6/7/2022 at 12:44:00PM.

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	19.8 degC
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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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Darrell Auvil, Client Services Manager

**ANALYTICAL REPORT****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 98685Project: **Drinking Water - 2022**Project Number: **Monticello Middle School**
Project Manager: **Thomas Nadermann****Report ID:****A2F0228 - 06 24 22 1650****ANALYTICAL REPORT FOR SAMPLES****SAMPLE INFORMATION**

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
M-200-F	A2F0228-01	Drinking Water	06/02/22 00:00	06/07/22 12:44
M-200-DF	A2F0228-02	Drinking Water	06/02/22 00:00	06/07/22 12:44
M-202-DW	A2F0228-03	Drinking Water	06/02/22 00:00	06/07/22 12:44
M-202-F	A2F0228-04	Drinking Water	06/02/22 00:00	06/07/22 12:44
M-203-F	A2F0228-05	Drinking Water	06/02/22 00:00	06/07/22 12:44
M-203-DF	A2F0228-06	Drinking Water	06/02/22 00:00	06/07/22 12:44
M-205-DW	A2F0228-07	Drinking Water	06/02/22 00:00	06/07/22 12:44
M-205-F	A2F0228-08	Drinking Water	06/02/22 00:00	06/07/22 12:44
M-L-SF	A2F0228-09	Drinking Water	06/02/22 00:00	06/07/22 12:44
M-BRR-205	A2F0228-10	Drinking Water	06/02/22 00:00	06/07/22 12:44
M-BRR-215	A2F0228-11	Drinking Water	06/02/22 00:00	06/07/22 12:44
M-GRR-208	A2F0228-12	Drinking Water	06/02/22 00:00	06/07/22 12:44
M-DW-205	A2F0228-13	Drinking Water	06/02/22 00:00	06/07/22 12:44
M-206-DW	A2F0228-14	Drinking Water	06/02/22 00:00	06/07/22 12:44
M-206-F-A	A2F0228-15	Drinking Water	06/02/22 00:00	06/07/22 12:44
M-206-F-B	A2F0228-16	Drinking Water	06/02/22 00:00	06/07/22 12:44
M-207-DW	A2F0228-17	Drinking Water	06/02/22 00:00	06/07/22 12:44
M-DW-216	A2F0228-18	Drinking Water	06/02/22 00:00	06/07/22 12:44
M-GRR-216	A2F0228-19	Drinking Water	06/02/22 00:00	06/07/22 12:44

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ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062Sterling Technologies LLC317 NE 144th St
Vancouver, WA 98685Project: Drinking Water - 2022Project Number: Monticello Middle School
Project Manager: Thomas NadermannReport ID:

A2F0228 - 06 24 22 1650

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
M-200-F (A2F0228-01)				Matrix: Drinking Water				
Batch: 22F0559								
Lead	1.53	---	0.200	ug/L	1	06/15/22 20:11	EPA 200.8	
M-200-DF (A2F0228-02)				Matrix: Drinking Water				
Batch: 22F0559								
Lead	0.518	---	0.200	ug/L	1	06/15/22 20:16	EPA 200.8	
M-202-DW (A2F0228-03)				Matrix: Drinking Water				
Batch: 22F0559								
Lead	1.77	---	0.200	ug/L	1	06/15/22 20:30	EPA 200.8	
M-202-F (A2F0228-04)				Matrix: Drinking Water				
Batch: 22F0559								
Lead	1.14	---	0.200	ug/L	1	06/15/22 20:34	EPA 200.8	
M-203-F (A2F0228-05)				Matrix: Drinking Water				
Batch: 22F0559								
Lead	0.996	---	0.200	ug/L	1	06/15/22 20:38	EPA 200.8	
M-203-DF (A2F0228-06)				Matrix: Drinking Water				
Batch: 22F0559								
Lead	1.80	---	0.200	ug/L	1	06/15/22 20:41	EPA 200.8	
M-205-DW (A2F0228-07)				Matrix: Drinking Water				
Batch: 22F0559								
Lead	2.33	---	0.200	ug/L	1	06/15/22 20:45	EPA 200.8	
M-205-F (A2F0228-08)				Matrix: Drinking Water				
Batch: 22F0559								
Lead	0.604	---	0.200	ug/L	1	06/15/22 20:49	EPA 200.8	
M-L-SF (A2F0228-09)				Matrix: Drinking Water				
Batch: 22F0559								
Lead	1.69	---	0.200	ug/L	1	06/15/22 20:53	EPA 200.8	
M-BRR-205 (A2F0228-10)				Matrix: Drinking Water				
Batch: 22F0559								

Apex Laboratories

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503-718-2323
ORELAP ID: OR100062

Sterling Technologies LLC

317 NE 144th St
Vancouver, WA 98685Project: Drinking Water - 2022Project Number: Monticello Middle School
Project Manager: Thomas Nadermann

Report ID:

A2F0228 - 06 24 22 1650

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
M-BRR-205 (A2F0228-10)				Matrix: Drinking Water				
Lead	15.4	---	0.200	ug/L	1	06/15/22 20:57	EPA 200.8	
M-BRR-215 (A2F0228-11)				Matrix: Drinking Water				
Batch: 22F0564								
Lead	1.99	---	0.200	ug/L	1	06/15/22 21:25	EPA 200.8	
M-GRR-208 (A2F0228-12)				Matrix: Drinking Water				
Batch: 22F0564								
Lead	2.18	---	0.200	ug/L	1	06/15/22 21:37	EPA 200.8	
M-DW-205 (A2F0228-13)				Matrix: Drinking Water				
Batch: 22F0564								
Lead	ND	---	0.200	ug/L	1	06/15/22 21:41	EPA 200.8	
M-206-DW (A2F0228-14)				Matrix: Drinking Water				
Batch: 22F0564								
Lead	2.01	---	0.200	ug/L	1	06/15/22 21:44	EPA 200.8	
M-206-F-A (A2F0228-15)				Matrix: Drinking Water				
Batch: 22F0564								
Lead	0.405	---	0.200	ug/L	1	06/15/22 21:48	EPA 200.8	
M-206-F-B (A2F0228-16)				Matrix: Drinking Water				
Batch: 22F0564								
Lead	7.61	---	0.200	ug/L	1	06/15/22 21:52	EPA 200.8	
M-207-DW (A2F0228-17)				Matrix: Drinking Water				
Batch: 22F0564								
Lead	0.570	---	0.200	ug/L	1	06/15/22 21:56	EPA 200.8	
M-DW-216 (A2F0228-18)				Matrix: Drinking Water				
Batch: 22F0564								
Lead	ND	---	0.200	ug/L	1	06/15/22 22:07	EPA 200.8	
M-GRR-216 (A2F0228-19)				Matrix: Drinking Water				
Batch: 22F0564								

Apex Laboratories

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ORELAP ID: OR100062

Sterling Technologies LLC

317 NE 144th St

Vancouver, WA 98685

Project: **Drinking Water - 2022**

Project Number: **Monticello Middle School**

Project Manager: **Thomas Nadermann**

Report ID:

A2F0228 - 06 24 22 1650

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
M-GRR-216 (A2F0228-19)				Matrix: Drinking Water				
Lead	2.57	---	0.200	ug/L	1	06/15/22 22:10	EPA 200.8	

Apex Laboratories

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503-718-2323

ORELAP ID: OR100062

Sterling Technologies LLC

317 NE 144th St

Vancouver, WA 98685

Project: Drinking Water - 2022

Project Number: Monticello Middle School

Project Manager: Thomas Nadermann

Report ID:

A2F0228 - 06 24 22 1650

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 22F0559 - EPA 200.8 Direct Analysis						Drinking Water						
Blank (22F0559-BLK1)			Prepared: 06/15/22 15:31		Analyzed: 06/15/22 19:11							
EPA 200.8												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (22F0559-BS1)			Prepared: 06/15/22 15:31		Analyzed: 06/15/22 19:15							
EPA 200.8												
Lead	14.2	---	0.201	ug/L	1	15.0	---	95	85-115%	---	---	
Duplicate (22F0559-DUP1)			Prepared: 06/15/22 15:31		Analyzed: 06/15/22 19:22							
QC Source Sample: Non-SDG (A2F0227-10)												
Lead	0.517	---	0.200	ug/L	1	---	0.518	---	---	0.2	20%	
Matrix Spike (22F0559-MS1)			Prepared: 06/15/22 15:31		Analyzed: 06/15/22 19:26							
QC Source Sample: Non-SDG (A2F0227-10)												
EPA 200.8												
Lead	13.9	---	0.201	ug/L	1	15.0	0.518	89	70-130%	---	---	
Matrix Spike (22F0559-MS2)			Prepared: 06/15/22 15:31		Analyzed: 06/15/22 21:01							
QC Source Sample: M-BRR-205 (A2F0228-10)												
EPA 200.8												
Lead	28.2	---	0.201	ug/L	1	15.0	15.4	85	70-130%	---	---	
Batch 22F0564 - EPA 200.8 Direct Analysis						Drinking Water						
Blank (22F0564-BLK1)			Prepared: 06/15/22 16:49		Analyzed: 06/15/22 21:05							
EPA 200.8												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (22F0564-BS1)			Prepared: 06/15/22 16:49		Analyzed: 06/15/22 21:20							
EPA 200.8												
Lead	14.0	---	0.201	ug/L	1	15.0	---	93	85-115%	---	---	
Duplicate (22F0564-DUP1)			Prepared: 06/15/22 16:49		Analyzed: 06/15/22 21:29							
QC Source Sample: M-BRR-215 (A2F0228-11)												

Apex Laboratories

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Darrell Auvil, Client Services Manager

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Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062**Sterling Technologies LLC**317 NE 144th St
Vancouver, WA 98685Project: **Drinking Water - 2022**Project Number: **Monticello Middle School**Project Manager: **Thomas Nadermann****Report ID:****A2F0228 - 06 24 22 1650****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 22F0564 - EPA 200.8 Direct Analysis						Drinking Water						
Duplicate (22F0564-DUP1)			Prepared: 06/15/22 16:49		Analyzed: 06/15/22 21:29							
QC Source Sample: M-BRR-215 (A2F0228-11)												
EPA 200.8												
Lead	1.97	---	0.200	ug/L	1	---	1.99	---	---	0.8	20%	
Matrix Spike (22F0564-MS1)			Prepared: 06/15/22 16:49		Analyzed: 06/15/22 21:33							
QC Source Sample: M-BRR-215 (A2F0228-11)												
EPA 200.8												
Lead	15.1	---	0.201	ug/L	1	15.0	1.99	87	70-130%	---	---	
Matrix Spike (22F0564-MS2)			Prepared: 06/15/22 16:49		Analyzed: 06/16/22 16:12							
QC Source Sample: Non-SDG (A2F0229-11)												
EPA 200.8												
Lead	24.1	---	0.201	ug/L	1	15.0	10.7	89	70-130%	---	---	

Apex Laboratories

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Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062**Sterling Technologies LLC**317 NE 144th St
Vancouver, WA 98685Project: **Drinking Water - 2022**Project Number: **Monticello Middle School**
Project Manager: **Thomas Nadermann****Report ID:****A2F0228 - 06 24 22 1650****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
Batch: 22F0559							
A2F0228-01	Drinking Water	EPA 200.8	06/02/22 00:00	06/15/22 15:31	10mL/10mL	10mL/10mL	1.00
A2F0228-02	Drinking Water	EPA 200.8	06/02/22 00:00	06/15/22 15:31	10mL/10mL	10mL/10mL	1.00
A2F0228-03	Drinking Water	EPA 200.8	06/02/22 00:00	06/15/22 15:31	10mL/10mL	10mL/10mL	1.00
A2F0228-04	Drinking Water	EPA 200.8	06/02/22 00:00	06/15/22 15:31	10mL/10mL	10mL/10mL	1.00
A2F0228-05	Drinking Water	EPA 200.8	06/02/22 00:00	06/15/22 15:31	10mL/10mL	10mL/10mL	1.00
A2F0228-06	Drinking Water	EPA 200.8	06/02/22 00:00	06/15/22 15:31	10mL/10mL	10mL/10mL	1.00
A2F0228-07	Drinking Water	EPA 200.8	06/02/22 00:00	06/15/22 15:31	10mL/10mL	10mL/10mL	1.00
A2F0228-08	Drinking Water	EPA 200.8	06/02/22 00:00	06/15/22 15:31	10mL/10mL	10mL/10mL	1.00
A2F0228-09	Drinking Water	EPA 200.8	06/02/22 00:00	06/15/22 15:31	10mL/10mL	10mL/10mL	1.00
A2F0228-10	Drinking Water	EPA 200.8	06/02/22 00:00	06/15/22 15:31	10mL/10mL	10mL/10mL	1.00
Batch: 22F0564							
A2F0228-11	Drinking Water	EPA 200.8	06/02/22 00:00	06/15/22 16:49	10mL/10mL	10mL/10mL	1.00
A2F0228-12	Drinking Water	EPA 200.8	06/02/22 00:00	06/15/22 16:49	10mL/10mL	10mL/10mL	1.00
A2F0228-13	Drinking Water	EPA 200.8	06/02/22 00:00	06/15/22 16:49	10mL/10mL	10mL/10mL	1.00
A2F0228-14	Drinking Water	EPA 200.8	06/02/22 00:00	06/15/22 16:49	10mL/10mL	10mL/10mL	1.00
A2F0228-15	Drinking Water	EPA 200.8	06/02/22 00:00	06/15/22 16:49	10mL/10mL	10mL/10mL	1.00
A2F0228-16	Drinking Water	EPA 200.8	06/02/22 00:00	06/15/22 16:49	10mL/10mL	10mL/10mL	1.00
A2F0228-17	Drinking Water	EPA 200.8	06/02/22 00:00	06/15/22 16:49	10mL/10mL	10mL/10mL	1.00
A2F0228-18	Drinking Water	EPA 200.8	06/02/22 00:00	06/15/22 16:49	10mL/10mL	10mL/10mL	1.00
A2F0228-19	Drinking Water	EPA 200.8	06/02/22 00:00	06/15/22 16:49	10mL/10mL	10mL/10mL	1.00

Apex Laboratories

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Darrell Auvil, Client Services Manager



ANALYTICAL REPORT

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: Monticello Middle School
Project Manager: Thomas Nadermann

Report ID:

A2F0228 - 06 24 22 1650

QUALIFIER DEFINITIONS

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

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

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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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REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks (Cont.):

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

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

Preparation Notes:

Mixed Matrix Samples:

Water Samples:

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

Soil and Sediment Samples:

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

Sampling and Preservation Notes:

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

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

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

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

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LABORATORY ACCREDITATION INFORMATION

ORELAP Certification ID: OR100062 (Primary Accreditation) -
EPA ID: OR01039

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

Apex Laboratories

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

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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APEX LABS COOLER RECEIPT FORM

Client: Sterling Element WO#: A2 2F0228

Project/Project #: Monticello Middle School

Delivery Info:

Date/time received: 6-7-22 @ 1244 By: SAT

Delivered by: Apex X Client ESS FedEx UPS Swift Senvoy SDS Other

Cooler Inspection Date/time inspected: 6-7-22 @ 1421 By: SAT

Chain of Custody included? Yes X No Custody seals? Yes No X

Signed/dated by client? Yes X No

Signed/dated by Apex? Yes X No

Cooler #1 Cooler #2 Cooler #3 Cooler #4 Cooler #5 Cooler #6 Cooler #7

Temperature (°C) 19.8

Received on ice? (Y/N) N

Temp. blanks? (Y/N) N

Ice type: (Gel/Real/Other) N/A

Condition: Good

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: 6-7-22 @ 1006 By: W

All samples intact? Yes X No Comments:

Bottle labels/COCs agree? Yes X No Comments:

COC/container discrepancies form initiated? Yes No X

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

Do VOA vials have visible headspace? Yes No NA X

Comments:

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

Comments:

Additional information:

Labeled by: W Witness: TS Cooler Inspected by: W