

August 30, 2024

William Wenzloff
Hillsboro School District
4901 SE Witch Hazel Road
Hillsboro, Oregon 97123

Via e-mail: wenzlofw@hsd.or.k12.us

Regarding: Drinking Water Sampling Report
Lenox Elementary School
21200 NW Rock Creek Boulevard
Portland, Oregon 97229
PBS Project 23440.197

Dear Mr. Wenzloff:

On August 22 and 28, 2024, PBS Engineering and Environmental LLC (PBS) performed drinking water sampling at Lenox Elementary School in Hillsboro, Oregon. The testing was requested by the Hillsboro School District as part of their efforts to ensure that concentrations of lead in drinking water at the school remain below the Oregon Department of Education (ODE) action level of 15 parts per billion (ppb).

Laboratory analysis shows that drinking water from all fixtures in the building used for drinking water or food preparation have lead concentrations below 15ppb.

Previous drinking water sampling completed in April and May 2024 showed that drinking water from several fixtures in the building had lead concentrations exceeding 15 ppb. Despite repeated attempts to repair the system, including replacing fixtures, stops, and supply lines, testing continued to show that lead concentrations from several fixtures remained above 15ppm. Subsequently, the decision was made to replace the cold water lines supplying all fixtures used for drinking water or food preparation in the building. That work was completed in June, July, and August 2024.

All fixtures used for drinking water or food preparation were sampled on August 22, 2024, after plumbing replacement had been completed. Analysis of the first round of sampling showed that five fixtures had lead concentrations above 15 ppb. Follow up sampling was completed on August 28, 2024, after the entire system was thoroughly flushed following chlorine treatment.

Seventy samples were collected during the initial round of sampling. Seven additional samples were collected during follow-up sampling. All samples were delivered under chain of custody to Columbia Laboratories in Portland, Oregon for lead analysis.

The following tables list the results of both rounds of sampling. Results above 15 ppb are shown in bold.

Fixture Number	Sample Number	Round 1 – August 22, 2024	Results (ppb)
		Location / Room No.	
001	22390100-001KF24D	Kitchen, pot filler faucet	1.01
002		Fixture Removed	
003	22390100-003KF24D	Kitchen, north prep sink faucet	0.646
004	22390100-004KF24D	Kitchen, north prep sink sprayer	0.564
005	22390100-005WB24C	Cafeteria, water bottle filler	51
006	22390100-006DW24C	Cafeteria, drinking fountain, left	30.8
007	22390100-007DW24C	Cafeteria, drinking fountain, right	41.2
008	22390100-008BF24C	Girls NE restroom sink faucet, left	1.28
009	22390100-009BF24C	Girls NE restroom sink faucet, middle	1.83
010	22390100-010BF24C	Girls NE restroom sink faucet, right	0.983
011	22390100-011BF24C	Boys NE restroom sink faucet, left	4.55
012	22390100-012BF24C	Boys NE restroom sink faucet, middle	4.12
013	22390100-013BF24C	Boys NE restroom sink faucet, right	4.62
014	22390100-014BF24C	Front hall, ADA restroom sink faucet	1.79
015	22390100-015BF24C	Staff room, staff restroom sink faucet	0.661
016	22390100-016NS24E	Health room, nurses sink on west wall	2.25
017	22390100-017SF24C	Work/storage room, staff faucet	72.8
018	22390100-018DW24C	Staff lounge, drinking fountain	0.318
019	22390100-019SF24C	Staff lounge, staff faucet	3.26
020	22390100-020SF24C	Library work room, staff faucet	1.23
021	22390100-021DW24C	Classroom 12, drinking fountain	5.03
022	22390100-022CF24C	Classroom 12, classroom faucet	1.3
023	22390100-023DW24C	Classroom 13, drinking fountain	2.88
024	22390100-024CF24C	Classroom 13, classroom faucet	706
025	22390100-025DW24C	Classroom 15, drinking fountain	5.07
026	22390100-026CF24C	Classroom 15, classroom faucet	2.72
027	22390100-027DW24D	Classroom 17, drinking fountain	4.09
028	22390100-028CF24C	Classroom 17, classroom faucet	7.48
029	22390100-029DW24C	Classroom 19, drinking fountain	5.17
030	22390100-030CF24C	Classroom 19, classroom faucet	0.958
031	22390100-031DW24D	Classroom 20, drinking fountain	1.59
032	22390100-032CF24E	Classroom 20, classroom faucet	1.24
033	22390100-033BF24C	Boys west restroom, bathroom faucet - left	0.932
034	22390100-034BF24E	Boys west restroom, bathroom faucet -center	0.881
035	22390100-035BF24C	Boys west restroom, bathroom faucet - right	0.936

Fixture Number	Sample Number	Round 1 – August 22, 2024	Results (ppb)
		Location / Room No.	
036	22390100-036BF24C	Girls west restroom, bathroom faucet - left	1.42
037	22390100-037BF24C	Girls west restroom, bathroom faucet - center	8.8
038	22390100-038BF24C	Girls west restroom, bathroom faucet - right	2.57
039	22390100-039DW24C	Classroom 18, drinking fountain	1.22
040	22390100-040CF24C	Classroom 18, classroom faucet	0.652
041	22390100-041DW24D	Classroom 16, drinking fountain	13.7
042	22390100-042CF24E	Classroom 16, classroom faucet	0.937
043	22390100-043DW24C	Classroom 14, drinking fountain	4.86
044	22390100-044CF24C	Classroom 14, classroom faucet	0.436
045	22390100-045DW24D	Gym, SE wall, drinking fountain	12.6
046	22390100-046CF24E	Music room, classroom faucet	1.24
047	22390100-047KF24C	Kitchen, double sanitizing sink faucet	1.98
048	22390100-048DW24C	Classroom 1, drinking fountain	3.05
049	22390100-049CF24C	Classroom 1, classroom faucet	0.679
050	22390100-050DW24C	Classroom 2, drinking fountain	2.15
051	22390100-051CF24C	Classroom 2, classroom faucet	0.574
052	22390100-052DW24C	Classroom 4, drinking fountain	0.774
053	22390100-053CF24C	Classroom 4, classroom faucet	0.803
054	22390100-054DW24C	Classroom 6, drinking fountain	4.07
055	22390100-055CF24C	Classroom 6, classroom faucet	9.86
056	22390100-056DW24C	Classroom 8, drinking fountain	2.59
057	22390100-057CF24C	Classroom 8, classroom faucet	0.772
058	22390100-058DW24D	Classroom 10, drinking fountain	1.8
059	22390100-059CF24D	Classroom 10, classroom faucet	2.02
060	22390100-060DW24C	Classroom 11, drinking fountain	0.402
061	22390100-061CF24C	Classroom 11, classroom faucet	0.829
062	22390100-062DW24C	Classroom 9, drinking fountain	7.9
063	22390100-063CF24C	Classroom 9, classroom faucet	6.75
064	22390100-064DW24C	Classroom 7, drinking fountain	2.64
065	22390100-065CF24C	Classroom 7, classroom faucet	0.891
066	22390100-066BF24C	Classroom 5, SW restroom, bathroom faucet	4.26
067	22390100-067DW24D	Classroom 3, drinking fountain	3.5
068	22390100-068CF24E	Classroom 3, classroom faucet	0.706
069	22390100-069BF24C	Boys/all gender restroom at main entrance, bathroom faucet	0.921
070	22390100-070BF24C	Girls/staff restroom at main entrance, bathroom faucet	14.5

Fixture Number	Sample Number	Round 2 – August 28, 2024 Location / Room No.	Results (ppb)
005	22390100-005WB24C	Cafeteria, water bottle filler	7.53
006	22390100-006DW24C	Cafeteria, drinking fountain, left	6.28
007	22390100-007DW24C	Cafeteria, drinking fountain, right	4.58
017	22390100-017SF24C	Work/storage room, staff faucet	10.4
024	22390100-024CF24C	Classroom 13, classroom faucet	0.819
041	22390100-041DW24D	Classroom 16, drinking fountain	2.03
045	22390100-045DW24D	Gym, SE wall, drinking fountain	6.37

Please refer to the attached fixture location drawings and laboratory analytical report for additional details. The laboratory analytical results are reported in micrograms per liter ($\mu\text{g/L}$), a unit of measure that is equivalent to ppb.

Sampling methodology and the interpretation of laboratory results were based on the Environmental Protection Agency guidance document titled *3Ts for Reducing Lead in Drinking Water in Schools*. Following this guideline, PBS collected first draw samples from each test location. First draw samples consist of the first 250 milliliters (mL) of water drawn from a fixture after the water has been sitting stagnant for at least 8 hours. The 3Ts' sampling protocol specifying 250-mL samples is designed to maximize the likelihood that the highest concentrations of lead in water used for consumption are identified.

Please feel free to contact me at 503.515.4726 or voeller@pbsusa.com with any questions or comments.

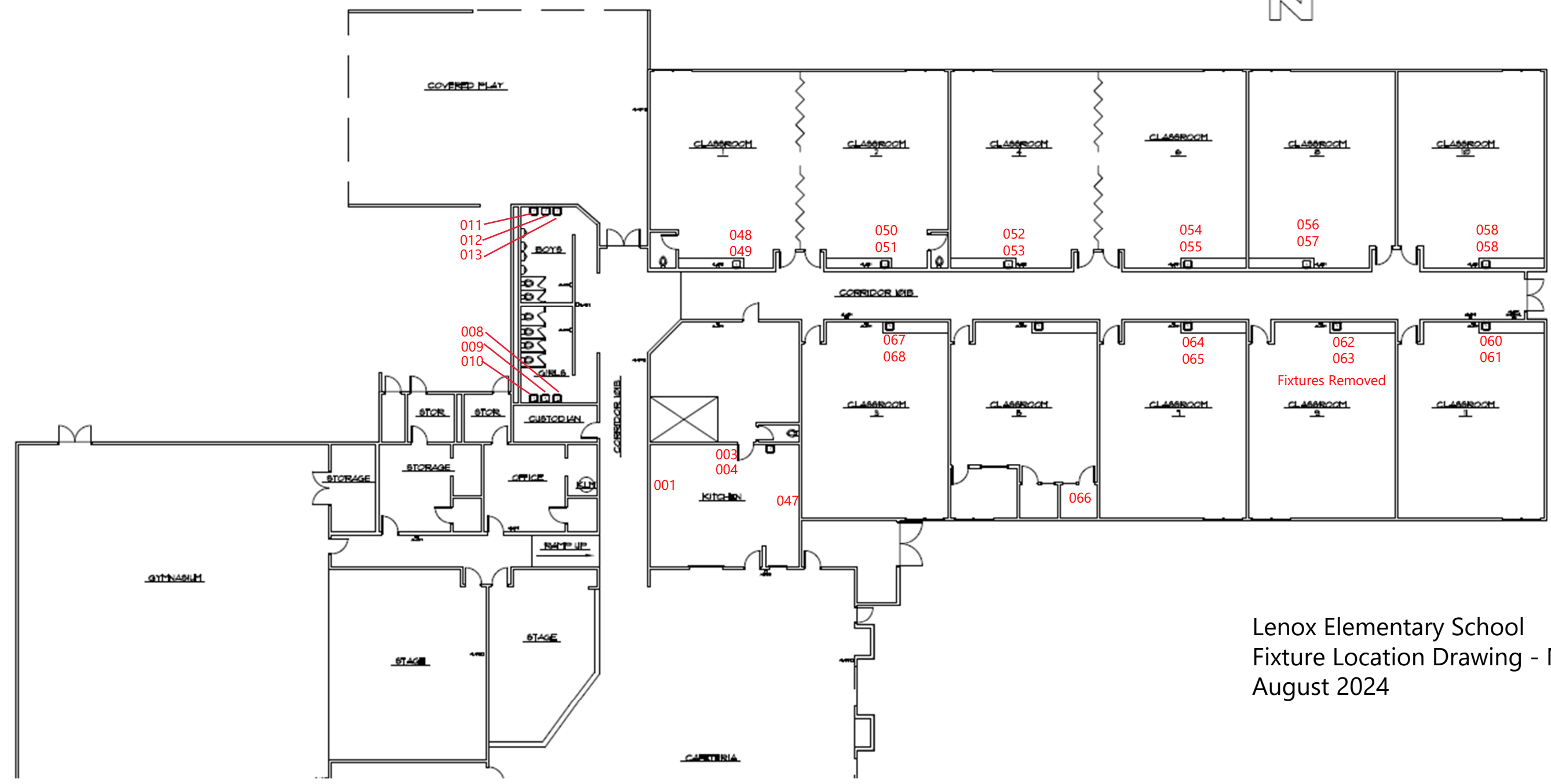
Sincerely,

Dale Voeller, CHMM, CSP
Senior Project Manager

Attachments: Fixture Location Drawings
Laboratory Analytical Report

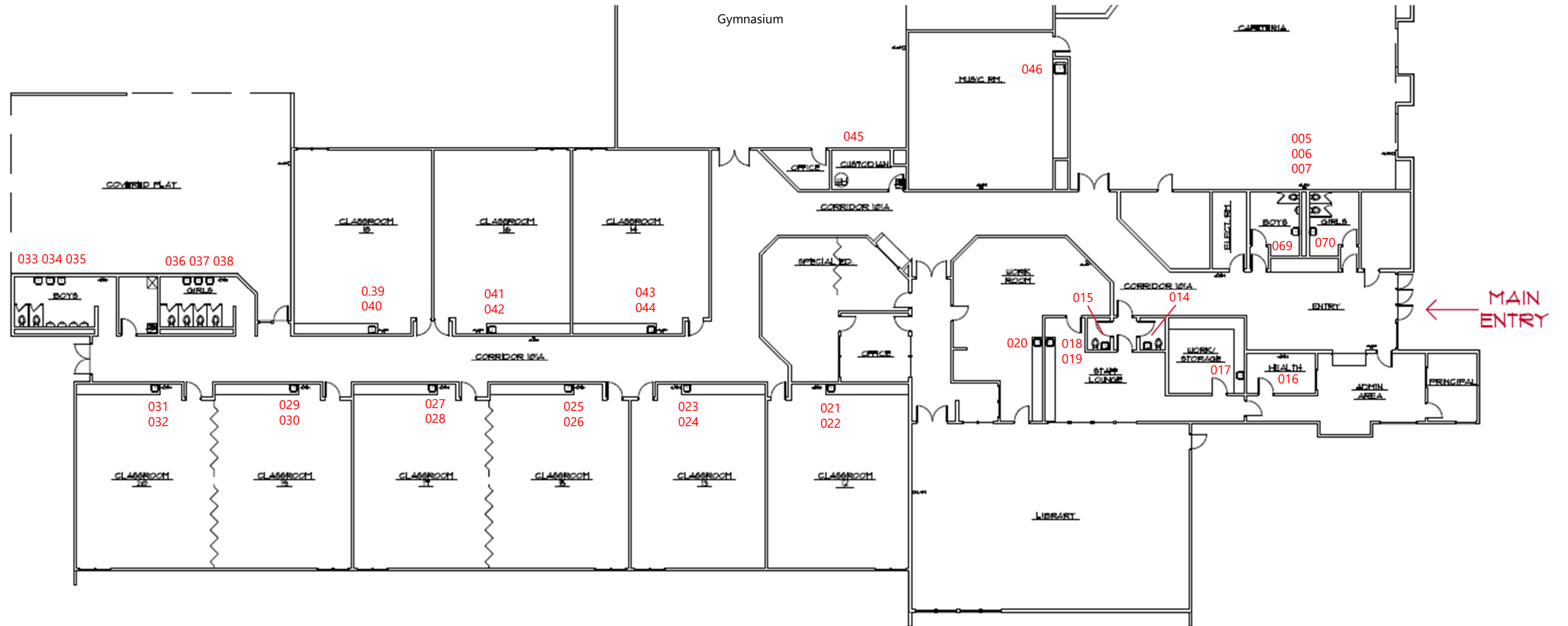


LENOX ELEMENTARY SCHOOL
SCHOOL BUILDING
MAIN LEVEL BUILDING PLAN



Lenox Elementary School
Fixture Location Drawing - North
August 2024

Lenox Elementary School
Fixture Location Drawing - South
August 2024





12423 NE Whitaker Way
Portland, OR 97230
503-254-1794



Report Number: 24-009248/D001.R000
Report Date: 08/26/2024
ORELAP#: OR100028
Purchase Order: 23440.197
Project Name: Lenox Elementary
Project No: School

Cover Letter

PBS Engineering
4412 S Corbett Ave
Portland Oregon 97267
United States of America (USA)

Dear Dale Voeller,

Enclosed please find Columbia Laboratories analytical report for samples received as order number 24-009248 on 08/22/2024 at 10:27. Should you have any questions about this report or any other matter, please do not hesitate to contact us. We are here to help you.

Thank you for allowing Columbia Laboratories to be of service to you, we appreciate your business.

Sincerely,

Derrick Tanner
General Manager



12423 NE Whitaker Way
 Portland, OR 97230
 503-254-1794



Report Number: 24-009248/D001.R000
Report Date: 08/26/2024
ORELAP#: OR100028
Purchase Order: 23440.197
Project Name: Lenox Elementary
Project No: School

Sample Results

Sample: 22390100-001KF24D Collected: 8/22/24 06:30 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0001 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	1.01	15.000	µg/l	0.2	1.00	2406449		08/23/24 12:42	

Sample Results

Sample: 22390100-003KF24D Collected: 8/22/24 06:30 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0002 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	0.646	15.000	µg/l	0.2	1.00	2406449		08/23/24 12:44	

Sample Results

Sample: 22390100-004KF24D Collected: 8/22/24 06:30 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0003 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	0.564	15.000	µg/l	0.2	1.00	2406449		08/23/24 12:45	

Sample Results

Sample: 22390100-005WB24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0004 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead	51.0	15.000	µg/l	2.5	5.00	2406488		08/26/24 13:44	

Sample Results

Sample: 22390100-006DW24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0005 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead	30.8	15.000	µg/l	2.5	5.00	2406488		08/26/24 13:46	

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.



12423 NE Whitaker Way
 Portland, OR 97230
 503-254-1794



Report Number: 24-009248/D001.R000
Report Date: 08/26/2024
ORELAP#: OR100028
Purchase Order: 23440.197
Project Name: Lenox Elementary
Project No: School

Sample Results

Sample: 22390100-007DW24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0006 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead	41.2	15.000	µg/l	2.5	5.00	2406488		08/26/24 13:49	

Sample Results

Sample: 22390100-008BF24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0007 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	1.28	15.000	µg/l	0.2	1.00	2406449		08/23/24 12:46	

Sample Results

Sample: 22390100-009BF24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0008 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	1.83	15.000	µg/l	0.2	1.00	2406449		08/23/24 12:48	

Sample Results

Sample: 22390100-010BF24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0009 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	0.983	15.000	µg/l	0.2	1.00	2406449		08/23/24 12:49	

Sample Results

Sample: 22390100-011BF24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0010 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	4.55	15.000	µg/l	0.2	1.00	2406449		08/23/24 12:50	



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Report Date: 08/26/2024
ORELAP#: OR100028
Purchase Order: 23440.197
Project Name: Lenox Elementary
Project No: School

Sample Results

Sample: 22390100-012BF24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0011 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	4.12	15.000	µg/l	0.2	1.00	2406449		08/23/24 12:51	

Sample Results

Sample: 22390100-013BF24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0012 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	4.62	15.000	µg/l	0.2	1.00	2406449		08/23/24 12:53	

Sample Results

Sample: 22390100-014BF24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0013 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	1.79	15.000	µg/l	0.2	1.00	2406449		08/23/24 12:54	

Sample Results

Sample: 22390100-015BF24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0014 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	0.661	15.000	µg/l	0.2	1.00	2406449		08/23/24 13:03	

Sample Results

Sample: 22390100-016NS24E Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0015 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	2.25	15.000	µg/l	0.2	1.00	2406449		08/23/24 13:04	

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.



12423 NE Whitaker Way
 Portland, OR 97230
 503-254-1794



Report Number: 24-009248/D001.R000
Report Date: 08/26/2024
ORELAP#: OR100028
Purchase Order: 23440.197
Project Name: Lenox Elementary
Project No: School

Sample Results

Sample: 22390100-017SF24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0016 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	72.8	15.000	µg/l	1.0	5.00	2406449		08/23/24 15:03	

Sample Results

Sample: 22390100-018DW24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0017 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	0.318	15.000	µg/l	0.2	1.00	2406449		08/23/24 13:07	

Sample Results

Sample: 22390100-019SF24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0018 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	3.26	15.000	µg/l	0.2	1.00	2406449		08/23/24 13:08	

Sample Results

Sample: 22390100-020SF24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0019 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	1.23	15.000	µg/l	0.2	1.00	2406449		08/23/24 13:09	

Sample Results

Sample: 22390100-021DW24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0020 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	5.03	15.000	µg/l	0.2	1.00	2406449		08/23/24 13:10	



12423 NE Whitaker Way
 Portland, OR 97230
 503-254-1794



Report Number: 24-009248/D001.R000
Report Date: 08/26/2024
ORELAP#: OR100028
Purchase Order: 23440.197
Project Name: Lenox Elementary
Project No: School

Sample Results

Sample: 22390100-022CF24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0021 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	1.30	15.000	µg/l	0.2	1.00	2406449		08/23/24 13:12	

Sample Results

Sample: 22390100-023DW24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0022 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	2.88	15.000	µg/l	0.2	1.00	2406449		08/23/24 13:13	

Sample Results

Sample: 22390100-024CF24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0023 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	706	15.000	µg/l	10.0	50.00	2406449		08/23/24 15:04	

Sample Results

Sample: 22390100-025DW24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0024 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	5.07	15.000	µg/l	0.2	1.00	2406449		08/23/24 13:23	

Sample Results

Sample: 22390100-026CF24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0025 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	2.72	15.000	µg/l	0.2	1.00	2406449		08/23/24 13:24	

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12423 NE Whitaker Way
 Portland, OR 97230
 503-254-1794



Report Number: 24-009248/D001.R000
Report Date: 08/26/2024
ORELAP#: OR100028
Purchase Order: 23440.197
Project Name: Lenox Elementary
Project No: School

Sample Results

Sample: 22390100-027DW24D Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0026 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	4.09	15.000	µg/l	0.2	1.00	2406449		08/23/24 13:25	

Sample Results

Sample: 22390100-028CF24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0027 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	7.48	15.000	µg/l	0.2	1.00	2406449		08/23/24 13:27	

Sample Results

Sample: 22390100-029DW24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0028 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	5.17	15.000	µg/l	0.2	1.00	2406449		08/23/24 13:28	

Sample Results

Sample: 22390100-030CF24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0029 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	0.958	15.000	µg/l	0.2	1.00	2406449		08/23/24 13:29	

Sample Results

Sample: 22390100-031DW24D Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0030 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	1.59	15.000	µg/l	0.2	1.00	2406449		08/23/24 13:31	



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Project Name: Lenox Elementary
Project No: School

Sample Results

Sample: 22390100-032CF24E Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0031 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	1.24	15.000	µg/l	0.2	1.00	2406449		08/23/24 13:32	

Sample Results

Sample: 22390100-033BF24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0032 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	0.932	15.000	µg/l	0.2	1.00	2406449		08/23/24 13:33	

Sample Results

Sample: 22390100-034BF24E Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0033 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	0.881	15.000	µg/l	0.2	1.00	2406449		08/23/24 13:34	

Sample Results

Sample: 22390100-035BF24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0034 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	0.936	15.000	µg/l	0.2	1.00	2406449		08/23/24 13:43	

Sample Results

Sample: 22390100-036BF24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0035 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	1.42	15.000	µg/l	0.2	1.00	2406449		08/23/24 13:44	



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Project Name: Lenox Elementary
Project No: School

Sample Results

Sample: 22390100-037BF24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0036 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	8.80	15.000	µg/l	0.2	1.00	2406449		08/23/24 13:56	

Sample Results

Sample: 22390100-038BF24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0037 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	2.57	15.000	µg/l	0.2	1.00	2406449		08/23/24 13:57	

Sample Results

Sample: 22390100-039DW24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0038 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	1.22	15.000	µg/l	0.2	1.00	2406449		08/23/24 13:58	

Sample Results

Sample: 22390100-040CF24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0039 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	0.652	15.000	µg/l	0.2	1.00	2406449		08/23/24 13:59	

Sample Results

Sample: 22390100-041DW24D Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0040 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	13.7	15.000	µg/l	0.2	1.00	2406449		08/23/24 14:01	

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Project Name: Lenox Elementary
Project No: School

Sample Results

Sample: 22390100-042CF24E Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0041 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	0.937	15.000	µg/l	0.2	1.00	2406449		08/23/24 14:02	

Sample Results

Sample: 22390100-043DW24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0042 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	4.86	15.000	µg/l	0.2	1.00	2406449		08/23/24 14:03	

Sample Results

Sample: 22390100-044CF24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0043 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	0.436	15.000	µg/l	0.2	1.00	2406449		08/23/24 14:05	

Sample Results

Sample: 22390100-045DW24D Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0044 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	12.6	15.000	µg/l	0.2	1.00	2406449		08/23/24 14:13	

Sample Results

Sample: 22390100-046CF24E Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0045 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	1.24	15.000	µg/l	0.2	1.00	2406449		08/23/24 14:15	



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Project Name: Lenox Elementary
Project No: School

Sample Results

Sample: 22390100-047KF24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0046 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	1.98	15.000	µg/l	0.2	1.00	2406449		08/23/24 14:16	

Sample Results

Sample: 22390100-048DW24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0047 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	3.05	15.000	µg/l	0.2	1.00	2406449		08/23/24 14:17	

Sample Results

Sample: 22390100-049CF24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0048 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	0.679	15.000	µg/l	0.2	1.00	2406449		08/23/24 14:18	

Sample Results

Sample: 22390100-050DW24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0049 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	2.15	15.000	µg/l	0.2	1.00	2406449		08/23/24 14:20	

Sample Results

Sample: 22390100-051CF24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0050 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	0.574	15.000	µg/l	0.2	1.00	2406449		08/23/24 14:21	

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Report Number: 24-009248/D001.R000
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Purchase Order: 23440.197
Project Name: Lenox Elementary
Project No: School

Sample Results

Sample: 22390100-052DW24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0051 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	0.774	15.000	µg/l	0.2	1.00	2406449		08/23/24 14:22	

Sample Results

Sample: 22390100-053CF24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0052 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	0.803	15.000	µg/l	0.2	1.00	2406449		08/23/24 14:23	

Sample Results

Sample: 22390100-054DW24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0053 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	4.07	15.000	µg/l	0.2	1.00	2406449		08/23/24 14:25	

Sample Results

Sample: 22390100-055CF24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0054 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	9.86	15.000	µg/l	0.2	1.00	2406449		08/23/24 14:34	

Sample Results

Sample: 22390100-056DW24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0055 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	2.59	15.000	µg/l	0.2	1.00	2406449		08/23/24 14:35	

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Report Number: 24-009248/D001.R000
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Purchase Order: 23440.197
Project Name: Lenox Elementary
Project No: School

Sample Results

Sample: 22390100-057CF24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0056 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	0.772	15.000	µg/l	0.2	1.00	2406449		08/23/24 14:36	

Sample Results

Sample: 22390100-058DW24D Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0057 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	1.80	15.000	µg/l	0.2	1.00	2406449		08/23/24 14:37	

Sample Results

Sample: 22390100-059CF24D Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0058 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	2.02	15.000	µg/l	0.2	1.00	2406449		08/23/24 14:39	

Sample Results

Sample: 22390100-060DW24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0059 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	0.402	15.000	µg/l	0.2	1.00	2406449		08/23/24 14:40	

Sample Results

Sample: 22390100-061CF24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0060 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	0.829	15.000	µg/l	0.2	1.00	2406449		08/23/24 14:41	

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Project Name: Lenox Elementary
Project No: School

Sample Results

Sample: 22390100-064DW24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0061 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	2.64	15.000	µg/l	0.2	1.00	2406449		08/23/24 14:42	

Sample Results

Sample: 22390100-065CF24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0062 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	0.891	15.000	µg/l	0.2	1.00	2406449		08/23/24 14:44	

Sample Results

Sample: 22390100-066BF24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0063 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead	4.26	15.000	µg/l	0.5	1.00	2406488		08/26/24 13:17	

Sample Results

Sample: 22390100-067DW24D Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0064 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	3.50	15.000	µg/l	0.2	1.00	2406449		08/23/24 14:45	

Sample Results

Sample: 22390100-068CF24E Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0065 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	0.706	15.000	µg/l	0.2	1.00	2406449		08/23/24 14:54	



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Project Name: Lenox Elementary
Project No: School

Sample Results

Sample: 22390100-069BF24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0066 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	0.921	15.000	µg/l	0.2	1.00	2406449		08/23/24 14:55	

Sample Results

Sample: 22390100-070BF24C Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0067 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead	14.5	15.000	µg/l	0.5	1.00	2406488		08/26/24 13:19	

Sample Results

Sample: 22390100-071CF24B Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0068 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	0.659	15.000	µg/l	0.2	1.00	2406449		08/23/24 14:56	

Sample Results

Sample: 22390100-062DW24A Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0069 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	7.90	15.000	µg/l	0.2	1.00	2406449		08/23/24 14:58	

Sample Results

Sample: 22390100-063CF24A Collected: 8/22/24 07:00 Temp: 22.4 °C Matrix:
 Lab ID: 24-009248-0070 Received: 8/22/24 10:27 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	6.75	15.000	µg/l	0.2	1.00	2406449		08/23/24 14:59	

Units of Measure

µg/l = micrograms per liter

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Project No: School

Abbreviations

LOQ Limit of quantification

⊥ = TNI accredited analyte.



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Project Name: Lenox Elementary
Project No: School



Chain of Custody

PBS-Engineering
Environmental-
1724184788

Company Details Company: <u>PBS Engineering & Environmental</u> Contact: <u>Dale Voeller</u> Street Address: <u>4412 S Corbett Ave</u> City, State, Zip: <u>Portland, OR 97267</u> Email: <u>dale.voeller@pbsusa.com</u> Contact Phone: <u>503 515-4726</u> Company Phone: <u>503 515-4726</u> Billing Information Billing Phone: <u>503 248-1939</u> Billing Email: <u>accountspayable@pbsusa.com</u>		Project Details Compliance: <u>Compliance</u> Turnaround Time: <u>2 Business Days Surcharges Apply</u> Sample Relinquishment Options: <u>Drop Off at Laboratory</u> Project Name / ID: <u>Lenox Elementary School</u> PONumber: <u>23440.197</u> Sample(s) Collected By: <u>Kiera Yap</u> Receipt Information Prelog Storage: <u>R99</u> Sample Condition: <u>Satisfactory</u> Sample Condition Description: <u>placed on cart</u>		Testing E2008Pb - Lead in DW - Schools/Childcare	Bottles 250ml Poly HNC3	
#	Material	Sample Name Field ID	Collection Date	Collection Time		
1	Drinking Water	22390100-00KF24D	08/22/2024	6:30 AM	✓	B0004
2	Drinking Water	22390100-003KF24D	08/22/2024	6:30 AM	✓	B0004
3	Drinking Water	22390100-004KF24D	08/22/2024	6:30 AM	✓	B0004
4	Drinking Water	22390100-005WB24C	08/22/2024	7:00 AM	✓	B0004
5	Drinking Water	22390100-006DW24C	08/22/2024	7:00 AM	✓	B0004
6	Drinking Water	22390100-007DW24C	08/22/2024	7:00 AM	✓	B0004
7	Drinking Water	22390100-008BF24C	08/22/2024	7:00 AM	✓	B0004
8	Drinking Water	22390100-009BF24C	08/22/2024	7:00 AM	✓	B0004
9	Drinking Water	22390100-010BF24C	08/22/2024	7:00 AM	✓	B0004
10	Drinking Water	22390100-011BF24C	08/22/2024	7:00 AM	✓	B0004

Relinquished By	Date	Time	Received By	Date	Time	Received Temp., °C	Evidence of Cooling?
<i>Dale Voeller, CHMM, CSP</i>	<i>08/22/2024</i>	<i>09:35</i>	<i>emt</i>	<i>08/22/2024</i>	<i>10:27</i>	<i>22.40</i>	<i>No</i>

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12423 NE Whitaker Way
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Report Number: 24-009248/D001.R000
Report Date: 08/26/2024
ORELAP#: OR100028
Purchase Order: 23440.197
Project Name: Lenox Elementary
Project No: School



Chain of Custody

PBS-Engineering
 Environmental-
 1724184788

				Testing	Bottles
Company Details Company: <u>PBS Engineering & Environmental</u> Contact: <u>Dale Voeller</u> Street Address: <u>4412 S Corbett Ave</u> City, State, Zip: <u>Portland, OR 97267</u> Email: <u>dale.voeller@pbsusa.com</u> Contact Phone: <u>503 515-4726</u> Company Phone: <u>503 515-4726</u> Billing Information Billing Phone: <u>503 248-1939</u> Billing Email: <u>accountspayable@pbsusa.com</u>		Project Details Compliance: <u>Compliance</u> Turnaround Time: <u>2 Business Days Surcharges Apply</u> Sample Relinquishment Options: <u>Drop Off at Laboratory</u> Project Name / ID: <u>Lenox Elementary School</u> PONumber: <u>23440.197</u> Sample(s) Collected By: <u>Kiera Yap</u> Receipt Information Prelog Storage: <u>R99</u> Sample Condition: <u>Satisfactory</u> Sample Condition Description: <u>placed on cart</u>		E2008Pb - Lead in DW - Schools/Childcare	250ml Poly HNCB
#	Material	Sample Name Field ID	Collection Date	Collection Time	
11	Drinking Water	22390100-012BF24C	08/22/2024	7:00 AM	✓ B004
12	Drinking Water	22390100-013BF24C	08/22/2024	7:00 AM	✓ B004
13	Drinking Water	22390100-014BF24C	08/22/2024	7:00 AM	✓ B004
14	Drinking Water	22390100-015BF24C	08/22/2024	7:00 AM	✓ B004
15	Drinking Water	22390100-016NS24E	08/22/2024	7:00 AM	✓ B004
16	Drinking Water	22390100-017SF24C	08/22/2024	7:00 AM	✓ B004
17	Drinking Water	22390100-018DW24C	08/22/2024	7:00 AM	✓ B004
18	Drinking Water	22390100-019SF24C	08/22/2024	7:00 AM	✓ B004
19	Drinking Water	22390100-020SF24C	08/22/2024	7:00 AM	✓ B004
20	Drinking Water	22390100-021DW24C	08/22/2024	7:00 AM	✓ B004

Relinquished By	Date	Time	Received By	Date	Time	Received Temp., °C	Evidence of Cooling?
<i>Dale Voeller, CHMM, CSP</i>	<i>08/22/2024</i>	<i>09:35</i>	<i>emt</i>	<i>08/22/2024</i>	<i>10:27</i>	<i>22.40</i>	<i>No</i>

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Report Number: 24-009248/D001.R000
Report Date: 08/26/2024
ORELAP#: OR100028
Purchase Order: 23440.197
Project Name: Lenox Elementary
Project No: School



Chain of Custody

PBS-Engineering
Environmental-
1724184788

				Testing	Bottles	
Company Details Company: <u>PBS Engineering & Environmental</u> Contact: <u>Dale Voeller</u> Street Address: <u>4412 S Corbett Ave</u> City, State, Zip: <u>Portland, OR 97267</u> Email: <u>dale.voeller@pbsusa.com</u> Contact Phone: <u>503 515-4726</u> Company Phone: <u>503 515-4726</u> Billing Information Billing Phone: <u>503 248-1939</u> Billing Email: <u>accountspayable@pbsusa.com</u>		Project Details Compliance: <u>Compliance</u> Turnaround Time: <u>2 Business Days Surcharges Apply</u> Sample Relinquishment Options: <u>Drop Off at Laboratory</u> Project Name / ID: <u>Lenox Elementary School</u> PONumber: <u>23440.197</u> Sample(s) Collected By: <u>Kiera Yap</u> Receipt Information Prelog Storage: <u>R99</u> Sample Condition: <u>Satisfactory</u> Sample Condition Description: <u>placed on cart</u>		E2008Pb - Lead in DW - Schools/Childcare	250ml Poly HNCB	
#	Material	Sample Name Field ID	Collection Date			Collection Time
21	Drinking Water	22390100-022CF24C	08/22/2024			7:00 AM
22	Drinking Water	22390100-023DW24C	08/22/2024			7:00 AM
23	Drinking Water	22390100-024CF24C	08/22/2024			7:00 AM
24	Drinking Water	22390100-025DW24C	08/22/2024			7:00 AM
25	Drinking Water	22390100-026CF24C	08/22/2024			7:00 AM
26	Drinking Water	22390100-027DW24D	08/22/2024			7:00 AM
27	Drinking Water	22390100-028CF24C	08/22/2024			7:00 AM
28	Drinking Water	22390100-029DW24C	08/22/2024			7:00 AM
29	Drinking Water	22390100-030CF24C	08/22/2024	7:00 AM		
30	Drinking Water	22390100-031DW24D	08/22/2024	7:00 AM		

Relinquished By	Date	Time	Received By	Date	Time	Received Temp., °C	Evidence of Cooling?
<i>Dale Voeller, CHMM, CSP</i>	<i>08/22/2024</i>	<i>09:35</i>	<i>emt</i>	<i>08/22/2024</i>	<i>10:27</i>	<i>22.40</i>	<i>No</i>

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Report Number: 24-009248/D001.R000
Report Date: 08/26/2024
ORELAP#: OR100028
Purchase Order: 23440.197
Project Name: Lenox Elementary
Project No: School



Chain of Custody

PBS-Engineering
 Environmental-
 1724184788

Company Details Company: <u>PBS Engineering & Environmental</u> Contact: <u>Dale Voeller</u> Street Address: <u>4412 S Corbett Ave</u> City, State, Zip: <u>Portland, OR 97267</u> Email: <u>dale.voeller@pbsusa.com</u> Contact Phone: <u>503 515-4726</u> Company Phone: <u>503 515-4726</u> Billing Information Billing Phone: <u>503 248-1939</u> Billing Email: <u>accountspayable@pbsusa.com</u>			Project Details Compliance: <u>Compliance</u> Turnaround Time: <u>2 Business Days Surcharges Apply</u> Sample Relinquishment Options: <u>Drop Off at Laboratory</u> Project Name / ID: <u>Lenox Elementary School</u> PONumber: <u>23440.197</u> Sample(s) Collected By: <u>Kiera Yap</u> Receipt Information Prelog Storage: <u>R99</u> Sample Condition: <u>Satisfactory</u> Sample Condition Description: <u>placed on cart</u>			Testing	Bottles
			E2008Pb - Lead in DW - Schools/Childcare		250ml Poly HNCB		
#	Material	Sample Name Field ID	Collection Date	Collection Time			
31	Drinking Water	22390100-032CF24E	08/22/2024	7:00 AM	✓	B0004	
32	Drinking Water	22390100-033BF24C	08/22/2024	7:00 AM	✓	B0004	
33	Drinking Water	22390100-034BF24E	08/22/2024	7:00 AM	✓	B0004	
34	Drinking Water	22390100-035BF24C	08/22/2024	7:00 AM	✓	B0004	
35	Drinking Water	22390100-036BF24C	08/22/2024	7:00 AM	✓	B0004	
36	Drinking Water	22390100-037BF24C	08/22/2024	7:00 AM	✓	B0004	
37	Drinking Water	22390100-038BF24C	08/22/2024	7:00 AM	✓	B0004	
38	Drinking Water	22390100-039DW24C	08/22/2024	7:00 AM	✓	B0004	
39	Drinking Water	22390100-040CF24C	08/22/2024	7:00 AM	✓	B0004	
40	Drinking Water	22390100-041DW24D	08/22/2024	7:00 AM	✓	B0004	

Relinquished By	Date	Time	Received By	Date	Time	Received Temp., °C	Evidence of Cooling?
<i>Dale Voeller, CHMM, CSP</i>	<i>08/22/2024</i>	<i>09:35</i>	<i>emt</i>	<i>08/22/2024</i>	<i>10:27</i>	<i>22.40</i>	<i>No</i>

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Report Number: 24-009248/D001.R000
Report Date: 08/26/2024
ORELAP#: OR100028
Purchase Order: 23440.197
Project Name: Lenox Elementary
Project No: School



Chain of Custody

PBS-Engineering
 Environmental-
 1724184788

				Testing	Bottles	
Company Details Company: <u>PBS Engineering & Environmental</u> Contact: <u>Dale Voeller</u> Street Address: <u>4412 S Corbett Ave</u> City, State, Zip: <u>Portland, OR 97267</u> Email: <u>dale.voeller@pbsusa.com</u> Contact Phone: <u>503 515-4726</u> Company Phone: <u>503 515-4726</u> Billing Information Billing Phone: <u>503 248-1939</u> Billing Email: <u>accountspayable@pbsusa.com</u>		Project Details Compliance: <u>Compliance</u> Turnaround Time: <u>2 Business Days Surcharges Apply</u> Sample Relinquishment Options: <u>Drop Off at Laboratory</u> Project Name / ID: <u>Lenox Elementary School</u> PONumber: <u>23440.197</u> Sample(s) Collected By: <u>Kiera Yap</u> Receipt Information Prelog Storage: <u>R99</u> Sample Condition: <u>Satisfactory</u> Sample Condition Description: <u>placed on cart</u>		E2008Pb - Lead in DW - Schools/Childcare	250ml Poly HNCB	
#	Material	Sample Name Field ID	Collection Date			Collection Time
41	Drinking Water	22390100-042CF24E	08/22/2024			7:00 AM
42	Drinking Water	22390100-043DW24C	08/22/2024			7:00 AM
43	Drinking Water	22390100-044CF24C	08/22/2024			7:00 AM
44	Drinking Water	22390100-045DW24D	08/22/2024			7:00 AM
45	Drinking Water	22390100-046CF24E	08/22/2024			7:00 AM
46	Drinking Water	22390100-047KF24C	08/22/2024			7:00 AM
47	Drinking Water	22390100-048DW24C	08/22/2024			7:00 AM
48	Drinking Water	22390100-049CF24C	08/22/2024			7:00 AM
49	Drinking Water	22390100-050DW24C	08/22/2024	7:00 AM		
50	Drinking Water	22390100-051CF24C	08/22/2024	7:00 AM		

Relinquished By	Date	Time	Received By	Date	Time	Received Temp., °C	Evidence of Cooling?
<i>Dale Voeller, CHMM, CSP</i>	<i>08/22/2024</i>	<i>09:35</i>	<i>emt</i>	<i>08/22/2024</i>	<i>10:27</i>	<i>22.40</i>	<i>No</i>

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Report Number: 24-009248/D001.R000
Report Date: 08/26/2024
ORELAP#: OR100028
Purchase Order: 23440.197
Project Name: Lenox Elementary
Project No: School



Chain of Custody

PBS-Engineering
Environmental-
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				Testing	Bottles	
Company Details Company: <u>PBS Engineering & Environmental</u> Contact: <u>Dale Voeller</u> Street Address: <u>4412 S Corbett Ave</u> City, State, Zip: <u>Portland, OR 97267</u> Email: <u>dale.voeller@pbsusa.com</u> Contact Phone: <u>503 515-4726</u> Company Phone: <u>503 515-4726</u> Billing Information Billing Phone: <u>503 248-1939</u> Billing Email: <u>accountspayable@pbsusa.com</u>		Project Details Compliance: <u>Compliance</u> Turnaround Time: <u>2 Business Days Surcharges Apply</u> Sample Relinquishment Options: <u>Drop Off at Laboratory</u> Project Name / ID: <u>Lenox Elementary School</u> PONumber: <u>23440.197</u> Sample(s) Collected By: <u>Kiera Yap</u> Receipt Information Prelog Storage: <u>R99</u> Sample Condition: <u>Satisfactory</u> Sample Condition Description: <u>placed on cart</u>		E2008Pb - Lead in DW - Schools/Childcare	250ml Poly HNCB	
#	Material	Sample Name Field ID	Collection Date			Collection Time
51	Drinking Water	22390100-052DW24C	08/22/2024			7:00 AM
52	Drinking Water	22390100-053CF24C	08/22/2024			7:00 AM
53	Drinking Water	22390100-054DW24C	08/22/2024			7:00 AM
54	Drinking Water	22390100-055CF24C	08/22/2024			7:00 AM
55	Drinking Water	22390100-056DW24C	08/22/2024			7:00 AM
56	Drinking Water	22390100-057CF24C	08/22/2024			7:00 AM
57	Drinking Water	22390100-058DW24D	08/22/2024			7:00 AM
58	Drinking Water	22390100-059CF24D	08/22/2024			7:00 AM
59	Drinking Water	22390100-060DW24C	08/22/2024	7:00 AM		
60	Drinking Water	22390100-061CF24C	08/22/2024	7:00 AM		

Relinquished By	Date	Time	Received By	Date	Time	Received Temp., °C	Evidence of Cooling?
<i>Dale Voeller, CHMM, CSP</i>	<i>08/22/2024</i>	<i>09:35</i>	<i>ent</i>	<i>08/22/2024</i>	<i>10:27</i>	<i>22.40</i>	<i>No</i>

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Report Number: 24-009248/D001.R000
Report Date: 08/26/2024
ORELAP#: OR100028
Purchase Order: 23440.197
Project Name: Lenox Elementary
Project No: School



Chain of Custody

PBS-Engineering
Environmental-
1724184788

				Testing	Bottles
Company Details Company: <u>PBS Engineering & Environmental</u> Contact: <u>Dale Voeller</u> Street Address: <u>4412 S Corbett Ave</u> City, State, Zip: <u>Portland, OR 97267</u> Email: <u>dale.voeller@pbsusa.com</u> Contact Phone: <u>503 515-4726</u> Company Phone: <u>503 515-4726</u> Billing Information Billing Phone: <u>503 248-1939</u> Billing Email: <u>accountspayable@pbsusa.com</u>		Project Details Compliance: <u>Compliance</u> Turnaround Time: <u>2 Business Days Surcharges Apply</u> Sample Relinquishment Options: <u>Drop Off at Laboratory</u> Project Name / ID: <u>Lenox Elementary School</u> PONumber: <u>23440.197</u> Sample(s) Collected By: <u>Kiera Yap</u> Receipt Information Prelog Storage: <u>R99</u> Sample Condition: <u>Satisfactory</u> Sample Condition Description: <u>placed on cart</u>		E2008Pb - Lead in DW - Schools/Childcare	250ml Poly HNCB
#	Material	Sample Name Field ID	Collection Date	Collection Time	
61	Drinking Water	22390100-064DW24C	08/22/2024	7:00 AM	✓ B004
62	Drinking Water	22390100-065CF24C	08/22/2024	7:00 AM	✓ B004
63	Drinking Water	22390100-066BF24C	08/22/2024	7:00 AM	✓ B004
64	Drinking Water	22390100-067DM24D	08/22/2024	7:00 AM	✓ B004
65	Drinking Water	22390100-068CF24E	08/22/2024	7:00 AM	✓ B004
66	Drinking Water	22390100-069BF24C	08/22/2024	7:00 AM	✓ B004
67	Drinking Water	22390100-070BF24C	08/22/2024	7:00 AM	✓ B004
68	Drinking Water	22390100-071CF24B	08/22/2024	7:00 AM	✓ B004
69	Drinking Water	22390100-062DW24A	08/22/2024	7:00 AM	✓ B004
70	Drinking Water	22390100-063CF24A	08/22/2024	7:00 AM	✓ B004

Relinquished By	Date	Time	Received By	Date	Time	Received Temp., °C	Evidence of Cooling?
<i>Dale Voeller, CHMM, CSP</i>	<i>08/22/2024</i>	<i>09:35</i>	<i>ent</i>	<i>08/22/2024</i>	<i>10:27</i>	<i>22.40</i>	<i>No</i>

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Report Number: 24-009248/D001.R000
Report Date: 08/26/2024
ORELAP#: OR100028
Purchase Order: 23440.197
Project Name: Lenox Elementary
Project No: School

Case Narrative

No Case Narrative notes to report.



12423 NE Whitaker Way
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503-254-1794



Report Number: 24-009519/D001.R000
Report Date: 08/29/2024
ORELAP#: OR100028
Purchase Order: 23440.197
Project Name: Lenox Elementary
Project No: School

Cover Letter

PBS Engineering
4412 S Corbett Ave
Portland Oregon 97267
United States of America (USA)

Dear Dale Voeller,

Enclosed please find Columbia Laboratories analytical report for samples received as order number 24-009519 on 08/28/2024 at 09:11. Should you have any questions about this report or any other matter, please do not hesitate to contact us. We are here to help you.

Thank you for allowing Columbia Laboratories to be of service to you, we appreciate your business.

Sincerely,

Derrick Tanner
General Manager



12423 NE Whitaker Way
 Portland, OR 97230
 503-254-1794



Report Number: 24-009519/D001.R000
Report Date: 08/29/2024
ORELAP#: OR100028
Purchase Order: 23440.197
Project Name: Lenox Elementary
Project No: School

Sample Results

Sample: 22390100-005WB24D Collected: 8/28/24 07:00 Temp: 22.1 °C Matrix:
 Lab ID: 24-009519-0001 Received: 8/28/24 09:11 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	7.53	0.015	µg/l	0.2	1.00	2406631		08/29/24 15:04	

Sample Results

Sample: 22390100-006DW24D Collected: 8/28/24 07:00 Temp: 22.1 °C Matrix:
 Lab ID: 24-009519-0002 Received: 8/28/24 09:11 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	6.28	0.015	µg/l	0.2	1.00	2406631		08/29/24 15:06	

Sample Results

Sample: 22390100-007DW24D Collected: 8/28/24 07:00 Temp: 22.1 °C Matrix:
 Lab ID: 24-009519-0003 Received: 8/28/24 09:11 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	4.58	0.015	µg/l	0.2	1.00	2406631		08/29/24 15:11	

Sample Results

Sample: 22390100-017SF24D Collected: 8/28/24 07:00 Temp: 22.1 °C Matrix:
 Lab ID: 24-009519-0004 Received: 8/28/24 09:11 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	10.4	0.015	µg/l	0.2	1.00	2406631		08/29/24 15:13	

Sample Results

Sample: 22390100-024CF24D Collected: 8/28/24 07:00 Temp: 22.1 °C Matrix:
 Lab ID: 24-009519-0005 Received: 8/28/24 09:11 Evidence of Cooling: N Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	0.819	0.015	µg/l	0.2	1.00	2406631		08/29/24 15:14	



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Purchase Order: 23440.197
Project Name: Lenox Elementary
Project No: School

Sample Results

Sample: 22390100-041DW24E	Collected: 8/28/24 07:00	Temp: 22.1 °C	Matrix:
Lab ID: 24-009519-0006	Received: 8/28/24 09:11	Evidence of Cooling: N	Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	2.03	0.015	µg/l	0.2	1.00	2406631		08/29/24 15:16	

Sample Results

Sample: 22390100-045DW24E	Collected: 8/28/24 07:00	Temp: 22.1 °C	Matrix:
Lab ID: 24-009519-0007	Received: 8/28/24 09:11	Evidence of Cooling: N	Drinking Water

Method: EPA 200.8 in mg/l									
Analyte	Result	Limit	Units	LOQ	Dil.	Batch	Start/Extract	Analyzed	Notes
Lead [±]	6.37	0.015	µg/l	0.2	1.00	2406631		08/29/24 15:17	

Units of Measure

µg/l = micrograms per liter

Abbreviations

LOQ Limit of quantification

[±] = TNI accredited analyte.



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Project No: School



Chain of Custody

PBS-Engineering
Environmental-
1724797827

			Testing	Bottles					
Company Details Company: <u>PBS Engineering & Environmental</u> Contact: <u>DALE VOELLER</u> Street Address: <u>4412 S. Corbett Avenue</u> City, State, Zip: <u>Portland, OR 97239</u> Email: <u>dale.voeller@pbsusa.com</u> Contact Phone: <u>5035154726</u> Company Phone: <u>5035154726</u> Billing Information Billing Email: <u>accountspayable@pbsusa.com</u>			Project Details Compliance: <u>Compliance</u> Turnaround Time: <u>2 Business Days Surcharges Apply</u> Sample Relinquishment Options: <u>Drop Off at Laboratory</u> Project Name / ID: <u>Lenox Elementary School</u> PO Number: <u>23440.197</u> Sample(s) Collected By: <u>Dale Voeller</u> Additional Comments for Project: <u>Next day analysis, if possible</u> Receipt Information Prelog Storage: R99 Sample Condition: Satisfactory		E2008PB - Lead in DW - Schools/Childcare	250ml Poly HNC3			
#	Material	Sample Name Field ID	Collection Date	Collection Time			Sampling Type		
1	Drinking Water	22390100-005WB24D	08/28/2024	7:00 AM			Grab	✓	NA
2	Drinking Water	22390100-006DW24D	08/28/2024	7:00 AM			Grab	✓	NA
3	Drinking Water	22390100-007DW24D	08/28/2024	7:00 AM			Grab	✓	NA
4	Drinking Water	22390100-017SF24D	08/28/2024	7:00 AM			Grab	✓	NA
5	Drinking Water	22390100-024CF24D	08/28/2024	7:00 AM			Grab	✓	NA
6	Drinking Water	22390100-041DW24E	08/28/2024	7:00 AM			Grab	✓	NA
7	Drinking Water	22390100-045DW24E	08/28/2024	7:00 AM	Grab	✓	NA		

Relinquished By	Date	Time	Received By	Date	Time	Received Temp., °C	Evidence of Cooling?
<i>Dale Voeller, CHMM, CSP</i>	<i>08/28/2024</i>	<i>07:32</i>	<i>SEM</i>	<i>08/28/2024</i>	<i>09:11</i>	<i>22.10</i>	<i>No</i>

Samples submitted to Columbia Laboratories with testing requirements constitute an agreement for services in accordance with the [current terms of services](#) associated with this COC. By signing "Relinquished by" you are agreeing to these terms.

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Report Number: 24-009519/D001.R000
Report Date: 08/29/2024
ORELAP#: OR100028
Purchase Order: 23440.197
Project Name: Lenox Elementary
Project No: School

Case Narrative

No Case Narrative notes to report.