



October 27, 2022

Dave Peterson
Hillsboro School District
4901 SE Witch Hazel Road
Hillsboro, Oregon 97123

Via e-mail: petersod@hds.or.k12.us

Regarding: Limited Drinking Water Sampling Report
 Orenco Elementary School
 7050 Northeast Birch Street
 Hillsboro, Oregon 97124
 PBS Project Number 23440.166 / 0009

Dear Mr. Peterson:

On October 8, 2022, PBS Engineering and Environmental Inc. (PBS) performed drinking water sampling in the kitchen and cafeteria areas at Orenco Elementary School in Hillsboro, Oregon. The testing was requested by 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).

The sampling included fixtures that are used for drinking water or food preparation and that are likely to be used by after-school program participants. Sixteen samples were delivered under chain of custody to Apex Laboratories in Tigard, Oregon, for lead analysis.

The water sample from the sprayer at the east double prep sink in the kitchen showed lead in excess of 15 ppb. This fixture has been removed from service pending replacement. All other samples analyzed below 15 ppb of lead. The following table lists the results of the analysis:

Fixture Number	Sample Number	Location / Room No.	Results (ppb)
001	22392700-001KF22A	Kitchen – east double prep sink faucet	8.03
002	22392700-002KF22A	Kitchen – east double prep sink sprayer	23.6
003	22392700-003KF22A	Kitchen – pot filler faucet, first draw	1.38
003	22392700-003KF22B	Kitchen – pot filler faucet, flush	0.338
004	22392700-004KF22A	Kitchen – center island single prep sink faucet	1.24
005	22392700-005KF22A	Kitchen – scullery, single sanitizing sink faucet	1.82
006	22392700-006DW22A	Cafeteria – drinking fountain at north wall sink	0.432
007	22392700-007SF22A	Cafeteria – faucet at north wall sink	0.380

Fixture Number	Sample Number	Location / Room No.	Results (ppb)
008	22392700-008BF22A	Girls RR at cafeteria, triple-head handwash basin - left	1.60
009	22392700-009BF22A	Girls RR at cafeteria, triple-head handwash basin - center	1.25
010	22392700-010BF22A	Girls RR at cafeteria, triple-head handwash basin - right	1.06
011	22392700-011WB22A	Cafeteria hall – water bottle filler	ND
012	22392700-012DW22A	Cafeteria hall – drinking fountain	ND
013	22392700-013BF22A	Boys RR at cafeteria, triple-head handwash basin - left	0.624
014	22392700-014BF22A	Boys RR at cafeteria, triple-head handwash basin - center	0.501
015	22392700-015BF22A	Boys RR at cafeteria, triple-head handwash basin - right	0.535

ND = no lead detected

Please refer to the attached fixture location drawing 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.

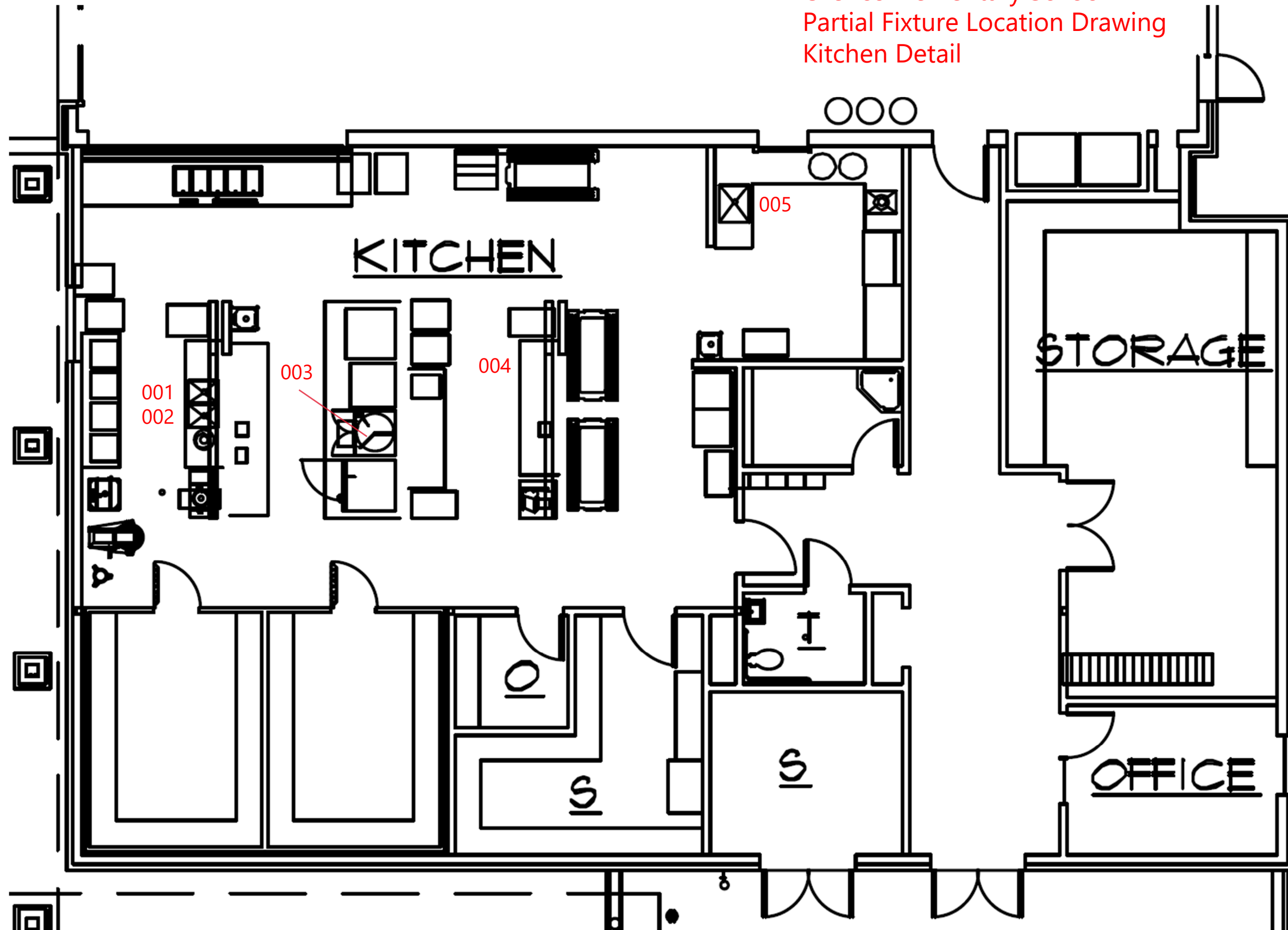
Please feel free to contact me at 503.515.4726 or voeller@pbsusa.com with any questions or comments.

Sincerely,

Dale Voeller, CHMM, CSP
Senior Project Manager

Attachments: Fixture Location Drawing
Laboratory Analytical Report

10/27/2022
Orenco Elementary School
Partial Fixture Location Drawing
Kitchen Detail





ANALYTICAL REPORT

Apex Laboratories, LLC

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

Tuesday, October 25, 2022

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

RE: A2J0414 - Hillsboro School District - Orenco ES/23440.166/0009

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 A2J0414, which was received by the laboratory on 10/11/2022 at 2:03:00PM.

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

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

Cooler Receipt Information

(See Cooler Receipt Form for details)

Cooler #1	21.6 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.



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Jason Woodcock, Project Manager



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503-718-2323
ORELAP ID: OR100062

<u>PBS Engineering and Environmental</u> 4412 S Corbett Ave Portland, OR 97239	Project: <u>Hillsboro School District</u> Project Number: Oreco ES/23440.166/0009 Project Manager: Dale Voeller	Report ID: A2J0414 - 10 25 22 1155
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ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
22392700-001KF22A	A2J0414-01	Drinking Water	10/08/22 00:00	10/11/22 14:03
22392700-002KF22A	A2J0414-02	Drinking Water	10/08/22 00:00	10/11/22 14:03
22392700-003KF22A	A2J0414-03	Drinking Water	10/08/22 00:00	10/11/22 14:03
22392700-003KF22B	A2J0414-04	Drinking Water	10/08/22 00:00	10/11/22 14:03
22392700-004KF22A	A2J0414-05	Drinking Water	10/08/22 00:00	10/11/22 14:03
22392700-005KF22A	A2J0414-06	Drinking Water	10/08/22 00:00	10/11/22 14:03
22392700-006DW22A	A2J0414-07	Drinking Water	10/08/22 00:00	10/11/22 14:03
22392700-007SF22A	A2J0414-08	Drinking Water	10/08/22 00:00	10/11/22 14:03
22392700-008BF22A	A2J0414-09	Drinking Water	10/08/22 00:00	10/11/22 14:03
22392700-009BF22A	A2J0414-10	Drinking Water	10/08/22 00:00	10/11/22 14:03
22392700-010BF22A	A2J0414-11	Drinking Water	10/08/22 00:00	10/11/22 14:03
22392700-011WB22A	A2J0414-12	Drinking Water	10/08/22 00:00	10/11/22 14:03
22392700-012DW22A	A2J0414-13	Drinking Water	10/08/22 00:00	10/11/22 14:03
22392700-013BF22A	A2J0414-14	Drinking Water	10/08/22 00:00	10/11/22 14:03
22392700-014BF22A	A2J0414-15	Drinking Water	10/08/22 00:00	10/11/22 14:03
22392700-015BF22A	A2J0414-16	Drinking Water	10/08/22 00:00	10/11/22 14:03

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ANALYTICAL SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
22392700-001KF22A (A2J0414-01)				Matrix: Drinking Water				
<u>Batch: 22J0727</u>								
Lead	8.03	---	0.200	ug/L	1	10/20/22 23:07	EPA 200.8	
22392700-002KF22A (A2J0414-02)				Matrix: Drinking Water				
<u>Batch: 22J0727</u>								
Lead	23.6	---	0.200	ug/L	1	10/20/22 23:11	EPA 200.8	
22392700-003KF22A (A2J0414-03)				Matrix: Drinking Water				
<u>Batch: 22J0727</u>								
Lead	1.38	---	0.200	ug/L	1	10/20/22 23:23	EPA 200.8	
22392700-003KF22B (A2J0414-04)				Matrix: Drinking Water				
<u>Batch: 22J0727</u>								
Lead	0.338	---	0.200	ug/L	1	10/20/22 23:27	EPA 200.8	
22392700-004KF22A (A2J0414-05)				Matrix: Drinking Water				
<u>Batch: 22J0727</u>								
Lead	1.24	---	0.200	ug/L	1	10/20/22 23:30	EPA 200.8	
22392700-005KF22A (A2J0414-06)				Matrix: Drinking Water				
<u>Batch: 22J0727</u>								
Lead	1.82	---	0.200	ug/L	1	10/20/22 23:35	EPA 200.8	
22392700-006DW22A (A2J0414-07)				Matrix: Drinking Water				
<u>Batch: 22J0727</u>								
Lead	0.432	---	0.200	ug/L	1	10/20/22 23:39	EPA 200.8	
22392700-007SF22A (A2J0414-08)				Matrix: Drinking Water				
<u>Batch: 22J0727</u>								
Lead	0.380	---	0.200	ug/L	1	10/20/22 23:42	EPA 200.8	
22392700-008BF22A (A2J0414-09)				Matrix: Drinking Water				
<u>Batch: 22J0727</u>								
Lead	1.60	---	0.200	ug/L	1	10/20/22 23:45	EPA 200.8	

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Jason Woodcock, Project Manager



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PBS Engineering and Environmental 4412 S Corbett Ave Portland, OR 97239	Project: Hillsboro School District Project Number: Orengo ES/23440.166/0009 Project Manager: Dale Voeller	Report ID: A2J0414 - 10 25 22 1155
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ANALYTICAL SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
22392700-009BF22A (A2J0414-10)				Matrix: Drinking Water				
<u>Batch: 22J0727</u>								
Lead	1.25	---	0.200	ug/L	1	10/20/22 23:49	EPA 200.8	
22392700-010BF22A (A2J0414-11)				Matrix: Drinking Water				
<u>Batch: 22J0727</u>								
Lead	1.06	---	0.200	ug/L	1	10/20/22 23:53	EPA 200.8	
22392700-011WB22A (A2J0414-12)				Matrix: Drinking Water				
<u>Batch: 22J0769</u>								
Lead	ND	---	0.200	ug/L	1	10/21/22 00:17	EPA 200.8	
22392700-012DW22A (A2J0414-13)				Matrix: Drinking Water				
<u>Batch: 22J0769</u>								
Lead	ND	---	0.200	ug/L	1	10/21/22 00:28	EPA 200.8	
22392700-013BF22A (A2J0414-14)				Matrix: Drinking Water				
<u>Batch: 22J0769</u>								
Lead	0.624	---	0.200	ug/L	1	10/21/22 00:31	EPA 200.8	
22392700-014BF22A (A2J0414-15)				Matrix: Drinking Water				
<u>Batch: 22J0769</u>								
Lead	0.501	---	0.200	ug/L	1	10/21/22 00:34	EPA 200.8	
22392700-015BF22A (A2J0414-16)				Matrix: Drinking Water				
<u>Batch: 22J0769</u>								
Lead	0.535	---	0.200	ug/L	1	10/21/22 00:38	EPA 200.8	

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QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22J0727 - EPA 200.8 Direct Analysis						Drinking Water						
Blank (22J0727-BLK1)		Prepared: 10/18/22 15:00 Analyzed: 10/20/22 22:10										
<u>EPA 200.8</u>												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	---
LCS (22J0727-BS1)		Prepared: 10/18/22 15:00 Analyzed: 10/20/22 22:13										
<u>EPA 200.8</u>												
Lead	16.0	---	0.201	ug/L	1	15.0	---	106	85 - 115%	---	---	---
Matrix Spike (22J0727-MS2)		Prepared: 10/18/22 15:00 Analyzed: 10/20/22 23:57										
<u>QC Source Sample: 22392700-010BF22A (A2J0414-11)</u>												
<u>EPA 200.8</u>												
Lead	16.9	---	0.201	ug/L	1	15.0	1.06	106	70 - 130%	---	---	---
Batch 22J0769 - EPA 200.8 Direct Analysis						Drinking Water						
Blank (22J0769-BLK1)		Prepared: 10/19/22 12:23 Analyzed: 10/21/22 00:09										
<u>EPA 200.8</u>												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	---
LCS (22J0769-BS1)		Prepared: 10/19/22 12:23 Analyzed: 10/21/22 00:13										
<u>EPA 200.8</u>												
Lead	16.2	---	0.201	ug/L	1	15.0	---	108	85 - 115%	---	---	---
Duplicate (22J0769-DUP1)		Prepared: 10/19/22 12:23 Analyzed: 10/21/22 00:20										
<u>QC Source Sample: 22392700-011WB22A (A2J0414-12)</u>												
<u>EPA 200.8</u>												
Lead	ND	---	0.200	ug/L	1	---	ND	---	---	---	---	20%
Matrix Spike (22J0769-MS1)		Prepared: 10/19/22 12:23 Analyzed: 10/21/22 00:24										
<u>QC Source Sample: 22392700-011WB22A (A2J0414-12)</u>												
<u>EPA 200.8</u>												
Lead	16.0	---	0.201	ug/L	1	15.0	ND	107	70 - 130%	---	---	---

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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: 22J0727							
A2J0414-01	Drinking Water	EPA 200.8	10/08/22 00:00	10/18/22 15:00	10mL/10mL	10mL/10mL	1.00
A2J0414-02	Drinking Water	EPA 200.8	10/08/22 00:00	10/18/22 15:00	10mL/10mL	10mL/10mL	1.00
A2J0414-03	Drinking Water	EPA 200.8	10/08/22 00:00	10/18/22 15:00	10mL/10mL	10mL/10mL	1.00
A2J0414-04	Drinking Water	EPA 200.8	10/08/22 00:00	10/18/22 15:00	10mL/10mL	10mL/10mL	1.00
A2J0414-05	Drinking Water	EPA 200.8	10/08/22 00:00	10/18/22 15:00	10mL/10mL	10mL/10mL	1.00
A2J0414-06	Drinking Water	EPA 200.8	10/08/22 00:00	10/18/22 15:00	10mL/10mL	10mL/10mL	1.00
A2J0414-07	Drinking Water	EPA 200.8	10/08/22 00:00	10/18/22 15:00	10mL/10mL	10mL/10mL	1.00
A2J0414-08	Drinking Water	EPA 200.8	10/08/22 00:00	10/18/22 15:00	10mL/10mL	10mL/10mL	1.00
A2J0414-09	Drinking Water	EPA 200.8	10/08/22 00:00	10/18/22 15:00	10mL/10mL	10mL/10mL	1.00
A2J0414-10	Drinking Water	EPA 200.8	10/08/22 00:00	10/18/22 15:00	10mL/10mL	10mL/10mL	1.00
A2J0414-11	Drinking Water	EPA 200.8	10/08/22 00:00	10/18/22 15:00	10mL/10mL	10mL/10mL	1.00
Batch: 22J0769							
A2J0414-12	Drinking Water	EPA 200.8	10/08/22 00:00	10/19/22 12:23	10mL/10mL	10mL/10mL	1.00
A2J0414-13	Drinking Water	EPA 200.8	10/08/22 00:00	10/19/22 12:23	10mL/10mL	10mL/10mL	1.00
A2J0414-14	Drinking Water	EPA 200.8	10/08/22 00:00	10/19/22 12:23	10mL/10mL	10mL/10mL	1.00
A2J0414-15	Drinking Water	EPA 200.8	10/08/22 00:00	10/19/22 12:23	10mL/10mL	10mL/10mL	1.00
A2J0414-16	Drinking Water	EPA 200.8	10/08/22 00:00	10/19/22 12:23	10mL/10mL	10mL/10mL	1.00

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Jason Woodcock, Project Manager



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ORELAP ID: **OR100062**

<u>PBS Engineering and Environmental</u> 4412 S Corbett Ave Portland, OR 97239	Project: <u>Hillsboro School District</u> Project Number: Oreco ES/23440.166/0009 Project Manager: Dale Voeller	Report ID: A2J0414 - 10 25 22 1155
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QUALIFIER DEFINITIONS

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

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

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Jason Woodcock, Project Manager



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REPORTING NOTES AND CONVENTIONS:

Abbreviations:

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

Detection Limits: Limit of Detection (LOD)

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

Reporting Limits: Limit of Quantitation (LOQ)

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

Reporting Conventions:

- Basis: Results for soil samples are generally reported on a 100% dry weight basis.
The Result Basis is listed following the units as "dry", "wet", or "" (blank) designation.
- "dry" Sample results and Reporting Limits are reported on a dry weight basis. (i.e. "ug/kg dry")
See Percent Solids section for details of dry weight analysis.
- "wet" Sample results and Reporting Limits for this analysis are normally dry weight corrected, but have not been modified in this case.
- "" Results without 'wet' or 'dry' designation are not normally dry weight corrected. These results are considered 'As Received'.

QC Source:

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

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

Miscellaneous Notes:

- " --- " QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.
- " *** " Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

Blanks:

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

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Jason Woodcock, Project Manager



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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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Jason Woodcock, Project Manager



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Table with project details: PBS Engineering and Environmental, Hillsboro School District, Project Number: Orengo ES/23440.166/0009, Report ID: A2J0414 - 10 25 22 1155

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

Table header with columns: Matrix, Analysis, TNI_ID, Analyte, TNI_ID, Accreditation

All reported analytes are included in Apex Laboratories' current ORELAP scope.

Secondary Accreditations

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

Subcontract Laboratory Accreditations

Subcontracted data falls outside of Apex Laboratories' Scope of Accreditation. Please see the Subcontract Laboratory report for full details, or contact your Project Manager for more information.

Field Testing Parameters

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

Apex Laboratories

Handwritten signature of Jason Woodcock

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

Jason Woodcock, Project Manager



ANALYTICAL REPORT

Apex Laboratories, LLC

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

PBS Engineering and Environmental	Project: Hillsboro School District	
4412 S Corbett Ave	Project Number: Oreco ES/23440.166/0009	Report ID:
Portland, OR 97239	Project Manager: Dale Voeller	A2J0414 - 10 25 22 1155

A2J0414

Lead in Drinking Water Testing Program

Date Collected: 10/08/2022 PBS Project: 23440.166 / 0009

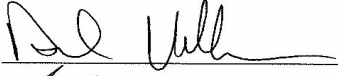
School Name: Oreco Elementary School

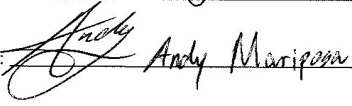
Building: Main Building Building Number: 22392700

Analysis Requested: Lead (Pb) in Drinking Water


Email Results To: voeller@pbsusa.com Turnaround Time: 10-day

	Fixture Number	Sample Number	Location / Description
1	001	22392700-001KF22A	Kitchen – east double prep sink faucet
2	002	22392700-002KF22A	Kitchen – east double prep sink sprayer
3	003	22392700-003KF22A	Kitchen – pot filler faucet, first draw
4	003	22392700-003KF22B	Kitchen – pot filler faucet, flush
5	004	22392700-004KF22A	Kitchen – center island single prep sink faucet
6	005	22392700-005KF22A	Kitchen – scullery, single sanitizing sink faucet
7	006	22392700-006DW22A	Cafeteria – drinking fountain at north wall sink
8	007	22392700-007SF22A	Cafeteria – faucet at north wall sink
9	008	22392700-008BF22A	Girls RR at cafeteria, triple-head handwash basin - left
10	009	22392700-009BF22A	Girls RR at cafeteria, triple-head handwash basin - center
11	010	22392700-010BF22A	Girls RR at cafeteria, triple-head handwash basin - right
12	011	22392700-011WB22A	Cafeteria hall – water bottle filler
13	012	22392700-012DW22A	Cafeteria hall – drinking fountain
14	013	22392700-013BF22A	Boys RR at cafeteria, triple-head handwash basin - left
15	014	22392700-014BF22A	Boys RR at cafeteria, triple-head handwash basin - center
16	015	22392700-015BF22A	Boys RR at cafeteria, triple-head handwash basin - right
17			
18			
19			
20			

Relinquished By/Signature:  Date/Time: 10/10/22 @ 2:11 PM

Received By/Signature:  Date/Time: 10/11/22 1409

Apex Laboratories



Jason Woodcock, Project Manager

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ANALYTICAL REPORT

Apex Laboratories, LLC

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

PBS Engineering and Environmental 4412 S Corbett Ave Portland, OR 97239	Project: Hillsboro School District Project Number: Oreco ES/23440.166/0009 Project Manager: Dale Voeller	Report ID: A2J0414 - 10 25 22 1155
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APEX LABS COOLER RECEIPT FORM

Client: PBS Element WO#: A2 J0414

Project/Project #: Oreco Elementary School / 23440.166/0009

Delivery Info:
Date/time received: 10/11/22@1403 By: AJM
Delivered by: Apex Client ESS FedEx UPS Swift Senvoy SDS Other

Cooler Inspection Date/time inspected: 10/11/22@1441 By: AJM
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>21.6</u>						
Received on ice? (Y/N)	<u>N</u>						
Temp. blanks? (Y/N)	<u>N</u>						
Ice type: (Gel/Real/Other)	<u>None</u>						
Condition (In/Out):	<u>Out</u>						

Cooler out of temp? (Y/N) Possible reason why: Drinking Water
Green dots applied to out of temperature samples? Yes No
Out of temperature samples form initiated? Yes No

Sample Inspection: Date/time inspected: 10/13/22@13:02 By: RHP
All samples intact? Yes No Comments: _____
Bottle labels/COCs agree? Yes No Comments: _____
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: RHP Witness: DSS Cooler Inspected by: RHP Form Y-003 R-00

Apex Laboratories

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