

April 7, 2025

Daniel Lyons Lane County School District 4J 200 North Monroe Street Eugene, Oregon 97402

Via email: lyons_da@4j.lane.edu

Regarding: Drinking Water Sampling Report

Coburg Charter School 91274 North Coburg Road

Eugene, Oregon PBS Project 24010600

Dear Mr. Lyons:

On February 20, 2025, PBS Engineering and Environmental LLC (PBS) performed drinking water re-sampling at Coburg Charter School in Eugene, Oregon. The retesting was requested by Lane County School District 4J 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).

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.

This sampling event included a total of 2 plumbing fixtures located within Classroom 11 and the Gym Boy's Restroom. The samples were delivered under chain of custody to Apex Laboratories (ORELAP ID: OR100062) in Tigard, Oregon, for lead analysis. The lead concentration of the samples ranged from 2.24 to 5.29 ppb.

Please refer to the attached Chain of Custody form and laboratory analytical report for additional details. Note that lead concentrations are reported in micrograms per Liter (µg/L) in the lab report, which is equivalent to ppb. Quality control (QC) sample results are included at the end of the laboratory report. The QC samples are both laboratory blanks and spiked samples used internally by the laboratory to assess accuracy. The EPA protocol recommends that follow-up flush sampling be conducted at fixture locations where first draw samples contain lead concentrations of greater than 15 ppb. Hence, PBS does not recommend the collection of any follow-up flush samples from this site.

I can be reached at 541.255.6182 or kennedy.potts@pbsusa.com with any questions or comments.

Lane County School District 4J
Drinking Water Sampling Report – Coburg Charter School
April 7, 2025
Page 2 of 2

Sincerely,

Kennedy Potts Industrial Hygienist

Reviewed by: JH

Attachments: Laboratory Analytical Report

Sample Chain of Custody

Building Diagram



Apex Laboratories, LLC

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

Tuesday, March 25, 2025 Kennedy Potts PBS Engineering and Environmental (Eugene) 3500 Chad Dr. Suite 100 Eugene, OR 97408

RE: A5B1521 - Coburg Charter School - 24010600

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 A5B1521, which was received by the laboratory on 2/22/2025 at 11:40:00AM.

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

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

Cooler Receipt Information

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

(See Cooler Receipt Form for details)

Default Cooler 18.4 degC

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

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





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ORELAP ID: OR100062

PBS Engineering and Environmental (Eugene)

3500 Chad Dr. Suite 100 Eugene, OR 97408 Project: Coburg Charter School

Project Number: **24010600**Project Manager: **Kennedy Potts**

Report ID: A5B1521 - 03 25 25 2137

ANALYTICAL REPORT FOR SAMPLES

	SAMPLE INFORMA	ATION		
Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
20820400-048CF25B	A5B1521-01	Drinking Water	02/20/25 00:00	02/22/25 11:40
20820400-033BF25B	A5B1521-02	Drinking Water	02/20/25 00:00	02/22/25 11:40

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3500 Chad Dr. Suite 100 Eugene, OR 97408 Project: <u>Coburg Charter School</u>

Project Number: **24010600**Project Manager: **Kennedy Potts**

Report ID: A5B1521 - 03 25 25 2137

ANALYTICAL SAMPLE RESULTS

	Total I	Metals in Dri	nking Water k	y EPA 200.	8 (ICPMS)			
Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
20820400-048CF25B (A5B1521-01)				Matrix: Di	rinking Wate	r		
Batch: 25C0868								
Lead	2.24		0.200	ug/L	1	03/21/25 18:54	EPA 200.8	
20820400-033BF25B (A5B1521-02)				Matrix: Di	rinking Wate	r		
Batch: 25C0868								
Lead	5.29		0.200	ug/L	1	03/21/25 19:03	EPA 200.8	

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QUALITY CONTROL (QC) SAMPLE RESULTS

		Tota	l Metals in I	Drinking	Water by	EPA 200.	8 (ICPMS	5)				
Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25C0868 - EPA 200.8 Dia	ect Analy	sis					Drin	king Wate	er			
Blank (25C0868-BLK1)		Prepared	: 03/21/25 08:1	7 Analyz	ed: 03/21/2:	5 18:52						
EPA 200.8 Lead	ND		0.200	ug/L	1							
LCS (25C0868-BS1)		Prepared	: 03/21/25 08:1	7 Analyz	ed: 03/21/2:	5 18:49						
EPA 200.8 Lead	14.8		0.201	ug/L	1	15.0		99	85 - 115%			
Duplicate (25C0868-DUP1)		Prepared	: 03/21/25 08:1	7 Analyz	ed: 03/21/2:	5 18:55						
QC Source Sample: 20820400-0486 EPA 200.8	CF25B (A5	B1521-01)										
Lead	2.27		0.200	ug/L	1		2.24			1	20%	
Matrix Spike (25C0868-MS1)		Prepared	: 03/21/25 08:1	7 Analyz	ed: 03/21/2:	5 18:57						
QC Source Sample: 20820400-0480 EPA 200.8	CF25B (A5	B1521-01)										
Lead	17.0		0.201	ug/L	1	15.0	2.24	98	70 - 130%			

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Report ID: A5B1521 - 03 25 25 2137

SAMPLE PREPARATION INFORMATION

		Total Metals	in Drinking Water by	EPA 200.8 (ICPMS)		
Prep: EPA 200.8	Direct Analysis				Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
Batch: 25C0868							
A5B1521-01	Drinking Water	EPA 200.8	02/20/25 00:00	03/21/25 08:17	10mL/10mL	10mL/10mL	1.00
A5B1521-02	Drinking Water	EPA 200.8	02/20/25 00:00	03/21/25 08:17	10mL/10mL	10mL/10mL	1.00

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 Eugene, OR 97408
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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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REPORTING NOTES AND CONVENTIONS:

Abbreviations:

DET Analyte DETECTED at or above the detection or reporting limit.

ND Analyte NOT DETECTED at or above the detection or reporting limit.

NR Result Not Reported.

RPD Relative Percent Difference. RPDs for Matrix Spikes and Matrix Spike Duplicates are based on concentration, not recovery.

Detection Limits: Limit of Detection (LOD)

Limits of Detection (LODs) are normally set at a level of one half the validated Limit of Quantitation (LOQ).

If no value is listed ('----'), then the data has not been evaluated below the Reporting Limit.

Reporting Limits: Limit of Quantitation (LOQ)

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

Reporting Conventions:

Basis: Results for soil samples are generally reported on a 100% dry weight basis.

The Result Basis is listed following the units as "dry", "wet", or " " (blank) designation.

"dry" Sample results and Reporting Limits are reported on a dry weight basis. (i.e. "ug/kg dry")

See Percent Solids section for details of dry weight analysis.

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

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

QC Source:

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

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

Miscellaneous Notes:

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

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

Blanks:

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

Blank results for gravimetric analyses are evaluated to the Reporting Level, not to half of the Reporting Level.

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

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

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 Project Number: 24010600
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 Eugene, OR 97408
 Project Manager: Kennedy Potts
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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.

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.

Benzofluoranthene Isomer Reporting:

Due to coelutions present on the analytical column, the results reported for Benzo(b+j)fluoranthene(s) represent the concentration of both the Benzo(b)fluoranthene and Benzo(j)fluoranthene isomers. Calibration, validation and accreditation are based on the Benzo(b)fluoranthene isomers.

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PBS Engineering and Environmental (Eugene) Project: Coburg Charter School

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Decanted Samples:

Soils/Sediments:

Unless TCLP analysis is required or there is notification otherwise for a specific project, all Soil and Sediments containing excess water are decanted prior to analysis in order to provide the most representative sample for analysis.

Water Samples:

Water samples containing solids and sediment may need to be decanted in order to eliminate these particulates from the water extractions. In the case of organics extractions, a solvent rinse of the container will not be performed.

Volatiles Soils (5035s)

Samples that are field preserved by 5035 for volatiles are dry weight corrected using the same dry weight corretion as for normal analyses. In the case of decanted samples, the dry weight may be performed on a decanted sample, while the aliquot for 5035 may not have been treated the same way. If this is a concern, please submit separate containers for dry weight analysis for volatiles can be provided.

All samples decanted in the laboratory are noted in this report with the DCNT qualifier indicating the sample was decanted.

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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 <u>exception</u> of any analyte(s) listed below:

Apex Laboratories

Matrix Analysis TNI ID Analyte TNI ID Accreditation

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

Secondary Accreditations

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

Subcontract Laboratory Accreditations

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

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

Field Testing Parameters

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

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Project: **Coburg Charter School**

Project Number: 24010600

Project Manager: Kennedy Potts

Report ID: A5B1521 - 03 25 25 2137

WO# 45B1521

⊠PBS

Turnaround Time: Standard

Reducing Lead in School Drinking Water Progr	ram
Date Collected: 2/20/25	PBS Project: <u>24010600</u>
School Name: Coburg Charter School	
Building: Main	Building Number: 20820400
Analysis Requested: <u>Lead (Pb) in Drinking Water</u>	
Received By/Signature:	Date/Time: 2/20/25@ 14:00
Received By/Signature:	Date/Time: 2/22/25 /140
Email Results To: _kennedy.potts@pbsusa.com	<u> </u>

	Time	Sample Number	Room / Location	Fixture Type	Notes
1	7:02	20820400-048CF25B	Classroom 11 Faucet	CF	
2	7:04	20820400-033BF25B	Gym Boy's Restroom	BF	
3					
4					100100 x 200 101000
5					
6					
7					
8					
9				Sec. 100 Sec	
10					
11					
12					
13					
14					
15					
16					

DW = Drinking Fountain, WC = Water Cooler (Chiller), WB = Bottle Filler, CF = Classroom Faucet, BF =- Bathroom Faucet, NS = Nurse Sink, SF = Staff/Office Sink, KF = Kitchen/Food Prep, IM = Ice Machine, SH = Shower Head, OS = Outdoor Spigot, OT = Other 1 of 1

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Eugene, OR 97408

Project: <u>Coburg Charter School</u>

Project Number: 24010600

Project Manager: Kennedy Potts

Report ID:

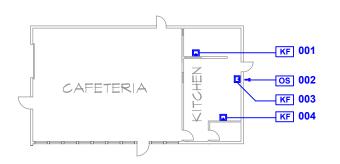
A5B1521 - 03 25 25 2137

	<u>AP</u>	EX LABS COOLER	RECEIPT FORM	
Client:	935		Element WO#	: A5 B 1521
Project/Project	: #: Loburg	Charter Suls	00/14010600	
<u>Delivery Info</u> :			,	
Date/time receiv	ved: UVV V5	@// <u>///</u> By:	KRS	<u></u>
				EvergreenOther
From USDA Re	gulated Origin?	Yes No	· · · · · · · · · · · · · · · · · · ·	
Cooler Inspecti	on Date/time in	spected: 1/2/15 @	By:	Mo
Chain of Custod	y included?	Yes No	_	
Signed/dated by	client?	Yes No		
Contains USDA	Reg. Soils?	Yes No	Unsure (email RegS	oils)
	Cooler	#1 Cooler #2 Cooler #	*3 Cooler #4 Cooler	#5 Cooler #6 Cooler #7
Temperature (°C	c) <u>18.4</u>	<u> </u>		
Custody seals?	(Y/N)			<u> </u>
Received on ice	? (Y/N)			
Temp. blanks? (Y/N)			
Ice type: (Gel/Re	eal/Other) <i></i>	<u>ue</u>		
Condition (In/O	1t): <i>Out</i>			
Green dots appli Out of temperatu Sample Inspect All samples intac	ed to out of temperative samples form inition: Date/time insect? Yes No	pected: 2/21/25 @_ Comments:	[5]5 ву: <u>Ц</u>	
Bottle labels/CO	Cs agree? Yes √	No Comments:	, , , , , , , , , , , , , , , , , , ,	
COC/container d	iscrepancies form in	nitiated? Yes No _	J	
	_	riate for analysis? Yes		ts:
Do VOA vials ha	ve visible headspac	e? Yes No	NA	
				44-44-44-44-44-44-44-4-4-4-4-4-4-4-4-4-4
Water samples: p	H checked: Yes 🗸	NoNA pH appro	priate? Yes √ NoN	NApH ID: 42311=
Comments:				
7-1	2100			
7722 062	0 2405	Witness:	Cooler Insp	ected by:
Labeled by:		withess.	Cooler insp	Form Y-003 R-02
un			PB	

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Facilities Management School District 4J 715 W. 4th Avenue Eugene, OR 97402 (541) 790-7400

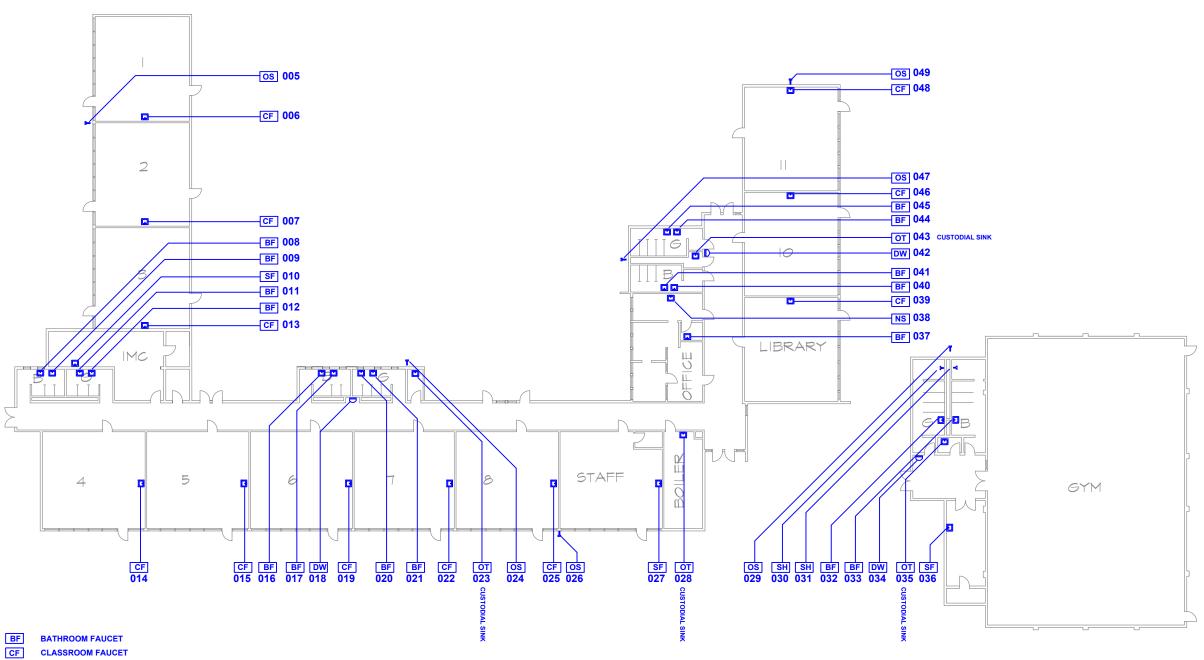


DATE: 2-9-2021 REV: 5-31-2022

DRAWN BY B. MARTIN

PD

FLOOR PLAN



DW DRINKING WATER FOUNTAIN

IM ICE MACHINE

KF KITCHEN/FOOD PREP

NS NURSE'S OFFICE SINK

OS OUTSIDE SPIGOT

STAFF/OFFICE FALICET

SF STAFF/OFFICE FAUCET
SH SHOWER HEAD

WB WATER BOTTLE FILLER
WC WATER COOLER (CHILLER)

OT OTHER (SPECIFY)

NFD NOT FOR DRINKING

DRINKABLE PLUMBING FIXTURES
ODE BUILDING IDENTIFICATION # 20820400