



May 28, 2025

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

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

Regarding: Drinking Water Sampling Report
Hare Field
1147 NE Grant Street
Hillsboro, Oregon
Project No. 24013061 / 0005

Dear Mr. Wenzloff:

Between April 3 and May 9, 2025, Apex Companies LLC (Apex) performed drinking water sampling at Hare Field in Hillsboro, Oregon. Drinking water samples were collected from the grandstand, the track (north) concession stand, and the visitors concession stand. The testing was requested by Hillsboro School District as part of their efforts to ensure that concentrations of lead in drinking water at the facility remain below the Oregon Department of Education (ODE) action level of 15 parts per billion (ppb).

Thirty-seven samples were delivered under chain of custody to Apex Laboratories in Tigard, Oregon for lead analysis. The initial round of sampling from the grandstand showed that water from the sink and sprayer in the concession stand had levels of lead exceeding 15 ppb. A second round of samples, collected after these fixtures were replaced, showed that lead concentrations had been reduced but were still above 15 ppb at the sink faucet. A third round of samples, collected after the installation of an in-line water filter, showed no detectable levels of lead. Samples from all other fixtures analyzed below 15 ppb of lead during the initial round of sampling. The following tables list the results of the analysis. Results above 15 ppb are shown in bold.

Round 1 – April 3, 2025

Fixture Number	Sample Number	Location / Room No.	Results (ppb)
001	22390007-001KF25A	Concession stand sink faucet	74.3
002	22390007-002BF25A	Visitors locker room, bathroom sink faucet	1.64
003	22390007-003DW25A	Exterior SE wall, drinking fountain	0.205
004	22390007-004BF25A	Womens restroom sink faucet – left to right (1)	0.414
005	22390007-005BF25A	Womens restroom sink faucet – left to right (2)	0.406
006	22390007-006BF25A	Womens restroom sink faucet – left to right (3)	0.232
007	22390007-007BF25A	Mens restroom sink faucet – left to right (1)	ND

Fixture Number	Sample Number	Location / Room No.	Results (ppb)
008	22390007-008BF25A	Mens restroom sink faucet – left to right (2)	ND
009	22390007-009BF25A	Mens restroom sink faucet – left to right (3)	0.315
010	22390007-010BF25A	Home locker room, bathroom sink faucet	0.306
011	22390007-011BF25A	Coaches locker room / utility sink faucet	0.840
012	22390007-012KF25A	Concession stand, sink sprayer	25.8
013	22390007-013OT25A	Concession stand, coffee maker hot water tap	ND

ND = no lead detected

Round 2 – April 23, 2025

Fixture Number	Sample Number	Location / Room No.	Results (ppb)
001	22390007-001KF25B	Grandstand concession stand sink faucet (after fixture replacement)	17.5
012	22390007-012KF25B	Grandstand concession stand, sink sprayer (after fixture replacement)	1.95
021	22390008-021KF25A	Track (north) concession stand double sink faucet	0.374
022	22390008-022KF25A	Track (north) concession stand double sink sprayer	ND
023	22390008-023KF25A	Track (north) concession coaches room restroom sink faucet	0.443
031	22390009-031KF25A	Visitors concession stand, large single sink faucet	2.41
032	22390009-032BF25A	Visitors concession stand, restroom sink faucet	4.14

ND = no lead detected

Round 3 – May 9, 2025

Fixture Number	Sample Number	Location / Room No.	Results (ppb)
001	22390007-001KF25C	Grandstand concession stand sink faucet – first draw (after filter installation)	ND
001	22390007-001KF25D	Grandstand concession stand sink faucet – flush (after filter installation)	ND
012	22390007-012KF25C	Grandstand concession stand, sink sprayer (after filter installation)	ND

ND = no lead detected

Please refer to the attached sample location drawings and laboratory analytical reports for additional details. The laboratory analytical results are reported in micrograms per liter (µg/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, Apex 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 dale.voeller@apexc.com with any questions or comments.

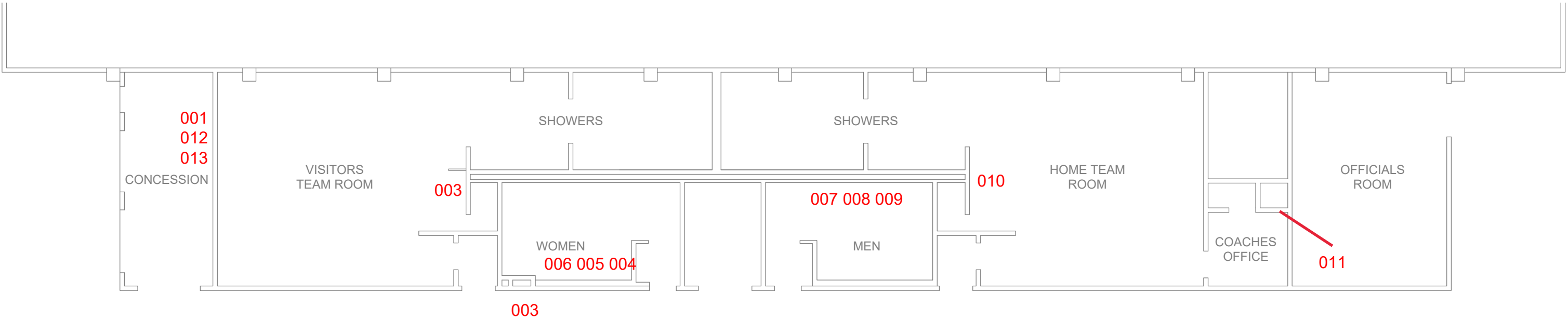
Sincerely,

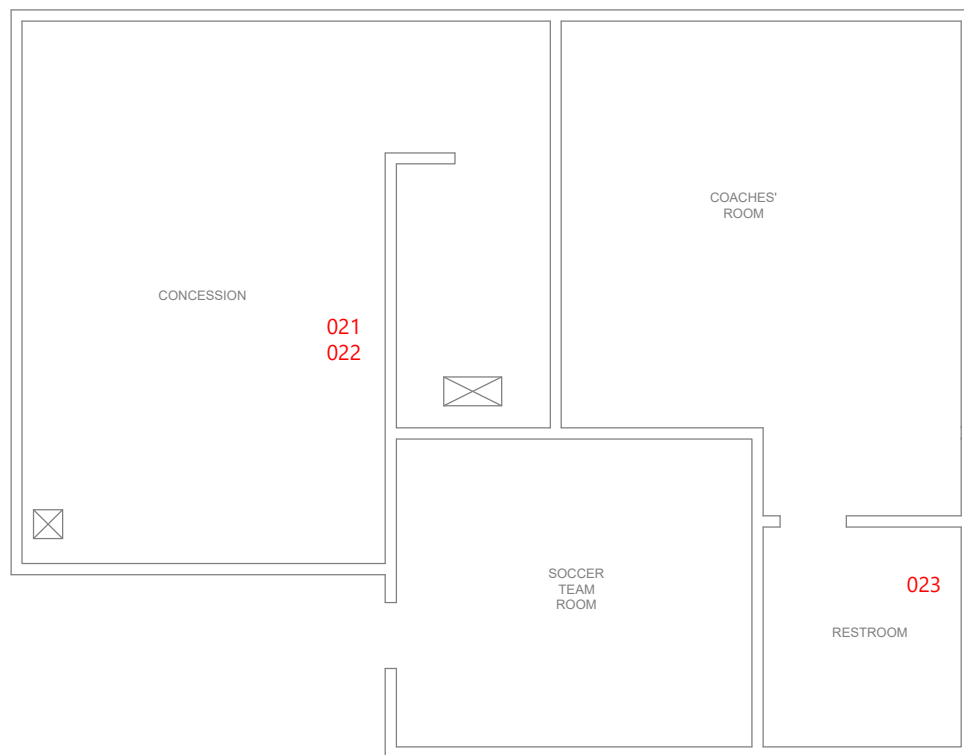
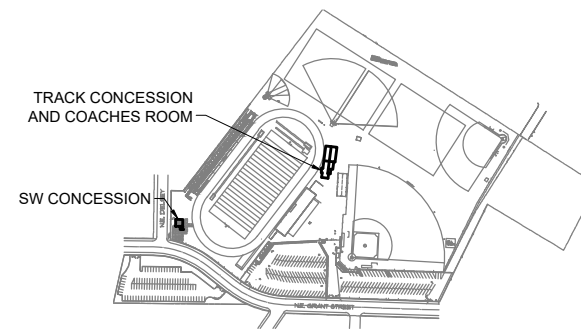
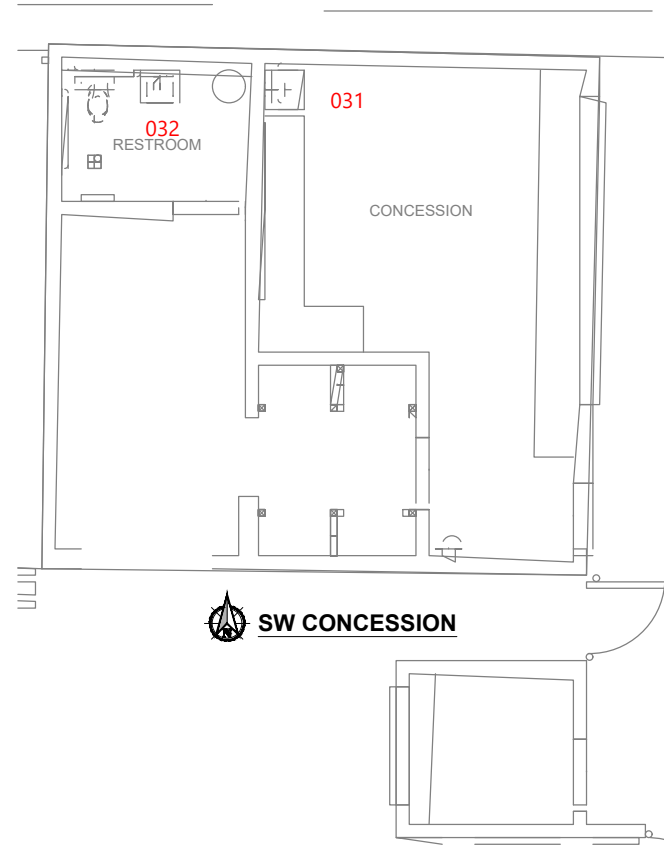
 Digitally signed by Dale
Voeller, CHMM, CSP
Date: 2025.05.28
18:27:08 -07'00'

Dale Voeller, CHMM, CSP
Senior Project Manager

Attachments: Sample Location Drawings
Laboratory Analytical Report

GRANDSTAND




TRACK CONCESSION AND COACHES' ROOM

KEY PLAN

SCALE: 1" = 4'



PREPARED FOR: HILLSBORO SCHOOL DISTRICT

[illegible]

DRAWN BY
JAB

CHECKED:
DSV

DATE:
MAY 2025

PROJECT NUMBER:
23440.170

SHEET DRAWING NO:

2

SHEET **2** OF **2**



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Thursday, April 17, 2025

Dale Voeller

PBS Engineering and Environmental

4412 S Corbett Ave

Portland, OR 97239

RE: A5D1101 - Hillsboro School District - Hare Field/24013061

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 A5D1101, which was received by the laboratory on 4/4/2025 at 10:09:00AM.

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

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 18.9 degC

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

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



Apex Laboratories

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Jason Woodcock, Project Manager



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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: **Hare Field/24013061**
Project Manager: **Dale Voeller**

Report ID:

A5D1101 - 04 17 25 0938

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
22390007-001KF25A	A5D1101-01	Drinking Water	04/03/25 00:00	04/04/25 10:09
22390007-002BF25A	A5D1101-02	Drinking Water	04/03/25 00:00	04/04/25 10:09
22390007-003DW25A	A5D1101-03	Drinking Water	04/03/25 00:00	04/04/25 10:09
22390007-004BF25A	A5D1101-04	Drinking Water	04/03/25 00:00	04/04/25 10:09
22390007-005BF25A	A5D1101-05	Drinking Water	04/03/25 00:00	04/04/25 10:09
22390007-006BF25A	A5D1101-06	Drinking Water	04/03/25 00:00	04/04/25 10:09
22390007-007BF25A	A5D1101-07	Drinking Water	04/03/25 00:00	04/04/25 10:09
22390007-008BF25A	A5D1101-08	Drinking Water	04/03/25 00:00	04/04/25 10:09
22390007-009BF25A	A5D1101-09	Drinking Water	04/03/25 00:00	04/04/25 10:09
22390007-010BF25A	A5D1101-10	Drinking Water	04/03/25 00:00	04/04/25 10:09
22390007-011BF25A	A5D1101-11	Drinking Water	04/03/25 00:00	04/04/25 10:09
22390007-012KF25A	A5D1101-12	Drinking Water	04/03/25 00:00	04/04/25 10:09
22390007-013OT25A	A5D1101-13	Drinking Water	04/03/25 00:00	04/04/25 10:09

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Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062**PBS Engineering and Environmental**
4412 S Corbett Ave
Portland, OR 97239Project: **Hillsboro School District**
Project Number: **Hare Field/24013061**
Project Manager: **Dale Voeller****Report ID:**
A5D1101 - 04 17 25 0938**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
22390007-001KF25A (A5D1101-01) Matrix: Drinking Water								
Batch: 25D0413								
Lead	74.3	---	0.222	ug/L	1	04/10/25 13:51	EPA 200.8	DW-D
22390007-002BF25A (A5D1101-02) Matrix: Drinking Water								
Batch: 25D0388								
Lead	1.64	---	0.200	ug/L	1	04/10/25 12:20	EPA 200.8	
22390007-003DW25A (A5D1101-03) Matrix: Drinking Water								
Batch: 25D0388								
Lead	0.205	---	0.200	ug/L	1	04/10/25 12:29	EPA 200.8	
22390007-004BF25A (A5D1101-04) Matrix: Drinking Water								
Batch: 25D0388								
Lead	0.414	---	0.200	ug/L	1	04/10/25 12:31	EPA 200.8	
22390007-005BF25A (A5D1101-05) Matrix: Drinking Water								
Batch: 25D0388								
Lead	0.406	---	0.200	ug/L	1	04/10/25 12:33	EPA 200.8	
22390007-006BF25A (A5D1101-06) Matrix: Drinking Water								
Batch: 25D0388								
Lead	0.232	---	0.200	ug/L	1	04/10/25 12:35	EPA 200.8	
22390007-007BF25A (A5D1101-07) Matrix: Drinking Water								
Batch: 25D0388								
Lead	ND	---	0.200	ug/L	1	04/10/25 12:36	EPA 200.8	
22390007-008BF25A (A5D1101-08) Matrix: Drinking Water								
Batch: 25D0388								
Lead	ND	---	0.200	ug/L	1	04/10/25 12:38	EPA 200.8	
22390007-009BF25A (A5D1101-09) Matrix: Drinking Water								
Batch: 25D0388								
Lead	0.315	---	0.200	ug/L	1	04/10/25 12:40	EPA 200.8	

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ORELAP ID: OR100062

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

Project: **Hillsboro School District**
Project Number: **Hare Field/24013061**
Project Manager: **Dale Voeller**

Report ID:
A5D1101 - 04 17 25 0938

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
22390007-010BF25A (A5D1101-10)				Matrix: Drinking Water				
Batch: 25D0388								
Lead	0.306	---	0.200	ug/L	1	04/10/25 12:42	EPA 200.8	
22390007-011BF25A (A5D1101-11)				Matrix: Drinking Water				
Batch: 25D0388								
Lead	0.840	---	0.200	ug/L	1	04/10/25 12:44	EPA 200.8	
22390007-012KF25A (A5D1101-12)				Matrix: Drinking Water				
Batch: 25D0388								
Lead	25.8	---	0.200	ug/L	1	04/10/25 12:46	EPA 200.8	
22390007-013OT25A (A5D1101-13)				Matrix: Drinking Water				
Batch: 25D0388								
Lead	ND	---	0.200	ug/L	1	04/10/25 12:51	EPA 200.8	

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Project Number: Hare Field/24013061
Project Manager: Dale VoellerReport ID:
A5D1101 - 04 17 25 0938

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 25D0388 - EPA 200.8 Direct Analysis							Drinking Water					
Blank (25D0388-BLK2)		Prepared: 04/09/25 14:41 Analyzed: 04/10/25 16:29										
<u>EPA 200.8</u>												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	Q-16
LCS (25D0388-BS1)		Prepared: 04/09/25 14:41 Analyzed: 04/10/25 12:18										
<u>EPA 200.8</u>												
Lead	15.1	---	0.201	ug/L	1	15.0	---	101	85 - 115%	---	---	
Duplicate (25D0388-DUP1)		Prepared: 04/09/25 14:41 Analyzed: 04/10/25 12:22										
<u>QC Source Sample: 22390007-002BF25A (A5D1101-02)</u>												
<u>EPA 200.8</u>												
Lead	1.72	---	0.200	ug/L	1	---	1.64	---	---	5	20%	
Matrix Spike (25D0388-MS1)		Prepared: 04/09/25 14:41 Analyzed: 04/10/25 12:24										
<u>QC Source Sample: 22390007-002BF25A (A5D1101-02)</u>												
<u>EPA 200.8</u>												
Lead	16.7	---	0.201	ug/L	1	15.0	1.64	100	70 - 130%	---	---	
Batch 25D0413 - EPA 200.2							Drinking Water					
Blank (25D0413-BLK1)		Prepared: 04/10/25 08:13 Analyzed: 04/10/25 13:25										
<u>EPA 200.8</u>												
Lead	ND	---	0.222	ug/L	1	---	---	---	---	---	---	
LCS (25D0413-BS1)		Prepared: 04/10/25 08:13 Analyzed: 04/10/25 13:27										
<u>EPA 200.8</u>												
Lead	16.2	---	0.222	ug/L	1	16.7	---	97	85 - 115%	---	---	

No Client related Batch QC samples analyzed for this batch. See notes page for more information.

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4412 S Corbett Ave
Portland, OR 97239****Project: Hillsboro School District
Project Number: Hare Field/24013061
Project Manager: Dale Voeller****Report ID:
A5D1101 - 04 17 25 0938****SAMPLE PREPARATION INFORMATION****Total Metals in Drinking Water by EPA 200.8 (ICPMS)****Prep: EPA 200.2**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 25D0413</u>							
A5D1101-01	Drinking Water	EPA 200.8	04/03/25 00:00	04/10/25 08:13	45mL/50mL	10mL/10mL	1.11

Prep: EPA 200.8 Direct Analysis

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 25D0388</u>							
A5D1101-02	Drinking Water	EPA 200.8	04/03/25 00:00	04/09/25 14:41	10mL/10mL	10mL/10mL	1.00
A5D1101-03	Drinking Water	EPA 200.8	04/03/25 00:00	04/09/25 14:41	10mL/10mL	10mL/10mL	1.00
A5D1101-04	Drinking Water	EPA 200.8	04/03/25 00:00	04/09/25 14:41	10mL/10mL	10mL/10mL	1.00
A5D1101-05	Drinking Water	EPA 200.8	04/03/25 00:00	04/09/25 14:41	10mL/10mL	10mL/10mL	1.00
A5D1101-06	Drinking Water	EPA 200.8	04/03/25 00:00	04/09/25 14:41	10mL/10mL	10mL/10mL	1.00
A5D1101-07	Drinking Water	EPA 200.8	04/03/25 00:00	04/09/25 14:41	10mL/10mL	10mL/10mL	1.00
A5D1101-08	Drinking Water	EPA 200.8	04/03/25 00:00	04/09/25 14:41	10mL/10mL	10mL/10mL	1.00
A5D1101-09	Drinking Water	EPA 200.8	04/03/25 00:00	04/09/25 14:41	10mL/10mL	10mL/10mL	1.00
A5D1101-10	Drinking Water	EPA 200.8	04/03/25 00:00	04/09/25 14:41	10mL/10mL	10mL/10mL	1.00
A5D1101-11	Drinking Water	EPA 200.8	04/03/25 00:00	04/09/25 14:41	10mL/10mL	10mL/10mL	1.00
A5D1101-12	Drinking Water	EPA 200.8	04/03/25 00:00	04/09/25 14:41	10mL/10mL	10mL/10mL	1.00
A5D1101-13	Drinking Water	EPA 200.8	04/03/25 00:00	04/09/25 14:41	10mL/10mL	10mL/10mL	1.00

Apex Laboratories

Jason Woodcock, Project Manager

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ORELAP ID: OR100062

PBS Engineering and Environmental

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Portland, OR 97239

Project: **Hillsboro School District**

Project Number: **Hare Field/24013061**

Project Manager: **Dale Voeller**

Report ID:

A5D1101 - 04 17 25 0938

QUALIFIER DEFINITIONS

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

Apex Laboratories

- DW-D** Turbidity greater than 1 NTU. Sample was digested per EPA Method 200.8.
- Q-16** Reanalysis of an original Batch QC sample.

Apex Laboratories

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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 and Detection Limits: Default Limits

Default Reporting and Detection Limits are based on 100% dry weight with the minimum dilution for the analysis. Reporting and Detection Limits are raised due to moisture content, additional dilutions required for analysis, matrix interferences and in other cases, as necessary.

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).

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REPORTING NOTES AND CONVENTIONS (Cont.):

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.

For further details, please request a copy of this document.

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.

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503-718-2323
ORELAP ID: OR100062

PBS Engineering and Environmental

4412 S Corbett Ave
Portland, OR 97239

Project: **Hillsboro School District**

Project Number: **Hare Field/24013061**
Project Manager: **Dale Voeller**

Report ID:
A5D1101 - 04 17 25 0938

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 correction 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.

Apex Laboratories

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Jason Woodcock, Project Manager



ANALYTICAL REPORT

Apex Laboratories, LLC

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Project: **Hillsboro School District**
Project Number: **Hare Field/24013061**
Project Manager: **Dale Voeller**

Report ID:
A5D1101 - 04 17 25 0938

LABORATORY ACCREDITATION INFORMATION

ORELAP Certification ID: OR100062 (Primary Accreditation)

EPA ID: OR01039

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

Apex Laboratories

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation
--------	----------	--------	---------	--------	---------------

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

Jason Woodcock, Project Manager

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Project: **Hillsboro School District**

Project Number: **Hare Field/24013061**

Project Manager: **Dale Voeller**

Report ID:

A5D1101 - 04 17 25 0938

Lead in Drinking Water Testing Program

Date Collected: 04/03/2025

PBS Project: 24013061 / ⁰⁰⁰⁵~~0006~~

School Name: Hare Field

District: Hillsboro School District

Building: Grandstand

Building Number: 22390007

Analysis Requested: Lead (Pb) in Drinking Water

Email Results To: voeller@pbsusa.com

Turnaround Time: 10-day

	Fixture Number	Sample Number	Room / Location
1	001	22390007-001KF25A	Concession stand sink faucet
2	002	22390007-002BF25A	Visitors locker room, bathroom sink faucet
3	003	22390007-003DW25A	Exterior SE wall, drinking fountain
4	004	22390007-004BF25A	Womens restroom sink faucet – left to right (1)
5	005	22390007-005BF25A	Womens restroom sink faucet – left to right (2)
6	006	22390007-006BF25A	Womens restroom sink faucet – left to right (3)
7	007	22390007-007BF25A	Mens restroom sink faucet – left to right (1)
8	008	22390007-008BF25A	Mens restroom sink faucet – left to right (2)
9	009	22390007-009BF25A	Mens restroom sink faucet – left to right (3)
10	010	22390007-010BF25A	Home locker room, bathroom sink faucet
11	011	22390007-011BF25A	Coaches locker room / utility sink faucet
12	12	22390007-012KF25A	Concession stand, sink sprayer
13	13	22390007-013OT25A	Concession stand, coffee maker hot water tap
14	14		
15	15		
16	16		
17	17		
18	18		
19	19		
20	20		

Relinquished By/Signature Dale Voeller

Date/Time: 4/3/25 @ 12:05 PM

Received By/Signature Justin Bheari

Date/Time: 4/4/25 1009

1 of 1

Apex Laboratories

Jason Woodcock, Project Manager

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Portland, OR 97239

Project: **Hillsboro School District**Project Number: **Hare Field/24013061**Project Manager: **Dale Voeller****Report ID:****A5D1101 - 04 17 25 0938****APEX LABS COOLER RECEIPT FORM**Client: **PBS** Element WO#: **A5D1101**Project/Project #: **Hare Field /24013061/0005****Delivery Info:**Date/time received: **4/4/25** @ **1009** By: **JPE**Delivered by: Apex ☒ Client ☐ ESS ☐ FedEx ☐ UPS ☐ Radio ☐ Morgan ☐ SDS ☐ Evergreen ☐ Other ☐From USDA Regulated Origin? Yes ☐ No ☒**Cooler Inspection** Date/time inspected: **4/4** @ **1122** By: **JPE**Chain of Custody included? Yes ☒ No ☐Signed/dated by client? Yes ☒ No ☐Contains USDA Reg. Soils? Yes ☐ No ☒ Unsure (email RegSoils) ☐

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	18.9						
Custody seals? (Y/N)	N						
Received on ice? (Y/N)	N						
Temp. blanks? (Y/N)	N						
Ice type: (Gel/Real/Other)	None						
Condition (In/Out)	Out						

Cooler out of temp? ☒ (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: **4/4/25** @ **1239** By: **ADW**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 ☐ pH ID: **ARB1172**Comments: Labeled by: **ADW**

Witness:

KNCooler Inspected by: **ADW**

Form Y-003 R-02

Apex Laboratories

Jason Woodcock, Project Manager

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ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
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503-718-2323
ORELAP ID: OR100062

Wednesday, May 7, 2025

Dale Voeller

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

RE: A5D1783 - Hillsboro School District - Hare Field/24013061

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 A5D1783, which was received by the laboratory on 4/24/2025 at 11:50:00AM.

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

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 20.6 degC

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

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



Apex Laboratories

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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: **Hare Field/24013061**
Project Manager: **Dale Voeller**

Report ID:

A5D1783 - 05 07 25 1424

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
22390007-001KF25B	A5D1783-01	Drinking Water	04/23/25 00:00	04/24/25 11:50
22390007-012KF25B	A5D1783-02	Drinking Water	04/23/25 00:00	04/24/25 11:50
22390008-021KF25A	A5D1783-03	Drinking Water	04/23/25 00:00	04/24/25 11:50
22390008-022KF25A	A5D1783-04	Drinking Water	04/23/25 00:00	04/24/25 11:50
22390008-023KF25A	A5D1783-05	Drinking Water	04/23/25 00:00	04/24/25 11:50
22390009-031KF25A	A5D1783-06	Drinking Water	04/23/25 00:00	04/24/25 11:50
22390009-032BF25A	A5D1783-07	Drinking Water	04/23/25 00:00	04/24/25 11:50

Apex Laboratories

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Project Number: **Hare Field/24013061**
Project Manager: **Dale Voeller**

Report ID:
A5D1783 - 05 07 25 1424

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
22390007-001KF25B (A5D1783-01)				Matrix: Drinking Water				
Batch: 25D1082								
Lead	17.5	---	0.222	ug/L	1	05/01/25 13:09	EPA 200.8	DW-D
22390007-012KF25B (A5D1783-02)				Matrix: Drinking Water				
Batch: 25D1049								
Lead	1.95	---	0.200	ug/L	1	05/01/25 13:23	EPA 200.8	
22390008-021KF25A (A5D1783-03)				Matrix: Drinking Water				
Batch: 25D1049								
Lead	0.374	---	0.200	ug/L	1	05/01/25 13:29	EPA 200.8	
22390008-022KF25A (A5D1783-04)				Matrix: Drinking Water				
Batch: 25D1049								
Lead	ND	---	0.200	ug/L	1	05/01/25 13:31	EPA 200.8	
22390008-023KF25A (A5D1783-05)				Matrix: Drinking Water				
Batch: 25D1049								
Lead	0.443	---	0.200	ug/L	1	05/01/25 13:33	EPA 200.8	
22390009-031KF25A (A5D1783-06)				Matrix: Drinking Water				
Batch: 25D1049								
Lead	2.41	---	0.200	ug/L	1	05/01/25 13:34	EPA 200.8	
22390009-032BF25A (A5D1783-07)				Matrix: Drinking Water				
Batch: 25D1082								
Lead	4.14	---	0.222	ug/L	1	05/01/25 13:10	EPA 200.8	DW-D

Apex Laboratories

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ORELAP ID: OR100062PBS Engineering and Environmental
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Portland, OR 97239Project: Hillsboro School District
Project Number: Hare Field/24013061
Project Manager: Dale VoellerReport ID:
A5D1783 - 05 07 25 1424

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 25D1049 - EPA 200.8 Direct Analysis												
Drinking Water												
Blank (25D1049-BLK1) Prepared: 04/25/25 10:32 Analyzed: 05/01/25 13:20												
EPA 200.8												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (25D1049-BS1) Prepared: 04/25/25 10:32 Analyzed: 05/01/25 13:21												
EPA 200.8												
Lead	15.3	---	0.201	ug/L	1	15.0	---	102	85 - 115%	---	---	
Duplicate (25D1049-DUP1) Prepared: 04/25/25 10:32 Analyzed: 05/01/25 13:25												
QC Source Sample: 22390007-012KF25B (A5D1783-02)												
EPA 200.8												
Lead	1.97	---	0.200	ug/L	1	---	1.95	---	---	0.7	20%	
Matrix Spike (25D1049-MS1) Prepared: 04/25/25 10:32 Analyzed: 05/01/25 13:27												
QC Source Sample: 22390007-012KF25B (A5D1783-02)												
EPA 200.8												
Lead	16.8	---	0.201	ug/L	1	15.0	1.95	99	70 - 130%	---	---	
Batch 25D1082 - EPA 200.2												
Drinking Water												
Blank (25D1082-BLK1) Prepared: 04/28/25 08:28 Analyzed: 05/01/25 12:59												
EPA 200.8												
Lead	ND	---	0.222	ug/L	1	---	---	---	---	---	---	DW-D
LCS (25D1082-BS1) Prepared: 04/28/25 08:28 Analyzed: 05/01/25 13:01												
EPA 200.8												
Lead	16.3	---	0.222	ug/L	1	16.7	---	98	85 - 115%	---	---	DW-D

No Client related Batch QC samples analyzed for this batch. See notes page for more information.

Apex Laboratories

Jason Woodcock, Project Manager

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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: Hare Field/24013061
Project Manager: Dale Voeller****Report ID:
A5D1783 - 05 07 25 1424****SAMPLE PREPARATION INFORMATION****Total Metals in Drinking Water by EPA 200.8 (ICPMS)****Prep: EPA 200.2**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 25D1082</u>							
A5D1783-01	Drinking Water	EPA 200.8	04/23/25 00:00	04/28/25 08:28	45mL/50mL	10mL/10mL	1.11
A5D1783-07	Drinking Water	EPA 200.8	04/23/25 00:00	04/28/25 08:28	45mL/50mL	10mL/10mL	1.11

Prep: EPA 200.8 Direct Analysis

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 25D1049</u>							
A5D1783-02	Drinking Water	EPA 200.8	04/23/25 00:00	04/25/25 10:32	10mL/10mL	10mL/10mL	1.00
A5D1783-03	Drinking Water	EPA 200.8	04/23/25 00:00	04/25/25 10:32	10mL/10mL	10mL/10mL	1.00
A5D1783-04	Drinking Water	EPA 200.8	04/23/25 00:00	04/25/25 10:32	10mL/10mL	10mL/10mL	1.00
A5D1783-05	Drinking Water	EPA 200.8	04/23/25 00:00	04/25/25 10:32	10mL/10mL	10mL/10mL	1.00
A5D1783-06	Drinking Water	EPA 200.8	04/23/25 00:00	04/25/25 10:32	10mL/10mL	10mL/10mL	1.00

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4412 S Corbett Ave

Portland, OR 97239

Project: Hillsboro School District

Project Number: Hare Field/24013061

Project Manager: Dale Voeller

Report ID:

A5D1783 - 05 07 25 1424

QUALIFIER DEFINITIONS

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

Apex Laboratories

DW-D Turbidity greater than 1 NTU. Sample was digested per EPA Method 200.8.

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Project Manager: **Dale Voeller**

Report ID:
A5D1783 - 05 07 25 1424

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 and Detection Limits: Default Limits

Default Reporting and Detection Limits are based on 100% dry weight with the minimum dilution for the analysis. Reporting and Detection Limits are raised due to moisture content, additional dilutions required for analysis, matrix interferences and in other cases, as necessary.

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).

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Project: **Hillsboro School District**

Project Number: **Hare Field/24013061**

Project Manager: **Dale Voeller**

Report ID:

A5D1783 - 05 07 25 1424

REPORTING NOTES AND CONVENTIONS (Cont.):

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.

For further details, please request a copy of this document.

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.

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Decanted Samples:

Soils/Sediments:

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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 correction 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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Project: **Hillsboro School District**

Project Number: **Hare Field/24013061**

Project Manager: **Dale Voeller**

Report ID:

A5D1783 - 05 07 25 1424

LABORATORY ACCREDITATION INFORMATION

ORELAP Certification ID: OR100062 (Primary Accreditation)

EPA ID: OR01039

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

Apex Laboratories

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation
--------	----------	--------	---------	--------	---------------

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

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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

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: **Hare Field/24013061**

Project Manager: **Dale Voeller**

Report ID:

A5D1783 - 05 07 25 1424

Lead in Drinking Water Testing Program

Date Collected: 04/23/2025

PBS Project: 24013061 / 0005

School Name: Hare Field

District: Hillsboro School District

Building: Grandstand, Home Concession, Visitor Concession

Building Number: 22390007 / 0008 / 0009

Analysis Requested: Lead (Pb) in Drinking Water

Email Results To: voeller@pbsusa.com

Turnaround Time: 10-day

	Fixture Number	Sample Number	Room / Location
1	001	22390007-001KF25B	Grandstand concession stand sink faucet
2	012	22390007-012KF25B	Grandstand concession stand, sink sprayer
3			
4	021	22390008-021KF25A	Track (north) concession stand double sink faucet
5	022	22390008-022KF25A	Track (north) concession stand double sink sprayer
6	023	22390008-023KF25A	Track (north) concession coaches room restroom sink faucet
7			
8	031	22390009-031KF25A	Visitors concession stand, large single sink faucet
9	032	22390009-032BF25A	Visitors concession stand, restroom sink faucet
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Relinquished By/Signature: [Signature]

Date/Time: 4/23/25 @ 2:48 PM

Received By/Signature: [Signature] APEX LABS

Date/Time: 4/24/25 1150

1 of 1

Apex Laboratories

[Signature]

Jason Woodcock, Project Manager

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ANALYTICAL REPORT

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503-718-2323

ORELAP ID: OR100062

PBS Engineering and Environmental

4412 S Corbett Ave

Portland, OR 97239

Project: Hillsboro School District

Project Number: Hare Field/24013061

Project Manager: Dale Voeller

Report ID:

A5D1783 - 05 07 25 1424

APEX LABS COOLER RECEIPT FORM

Client: PBS Element WO#: A5D1783

Project/Project #: Hare Field, Hillsboro School District, 24013061/0005

Delivery Info:

Date/time received: 4/24/25 @ 1150 By: EST

Delivered by: Apex ☒ Client ☐ ESS ☐ FedEx ☐ UPS ☐ Radio ☐ Morgan ☐ SDS ☐ Evergreen ☐ OtherFrom USDA Regulated Origin? Yes ☐ No ☒

Cooler Inspection Date/time inspected: 4/24/25 @ 1210 By: EST

Chain of Custody included? Yes ☒ No ☐Signed/dated by client? Yes ☒ No ☐Contains USDA Reg. Soils? Yes ☐ No ☒ Unsure (email RegSoils) ☐

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	20.6						
Custody seals? (Y/N)	N						
Received on ice? (Y/N)	N						
Temp. blanks? (Y/N)	N						
Ice type: (Gel/Real/Other)	NA						
Condition (In/Out):	OUT						

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

Sample Inspection: Date/time inspected: 4/24/25 @ 1606 By: ZA

All samples intact? Yes ☒ No ☐ Comments:Bottle labels/COCs agree? Yes ☒ No ☐ Comments: Cont. has no ID for 031KF25A

S - 032BF25A, matched by cont's lid's number. "031" & "032". written

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 ☐ pH ID: A5D1782

Comments:

Labeled by: ZA

Witness: AJM

Cooler Inspected by: ZA

Form Y-003 R-02

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

Friday, May 23, 2025

Dale Voeller

PBS Engineering and Environmental

4412 S Corbett Ave

Portland, OR 97239

RE: A5E1270 - Hillsboro School District - Hare Field/24013061

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 A5E1270, which was received by the laboratory on 5/12/2025 at 11:38:00AM.

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

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 19.4 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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Jason Woodcock, Project Manager



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Apex Laboratories, LLC

6700 S.W. Sandburg Street
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503-718-2323

ORELAP ID: OR100062

PBS Engineering and Environmental

4412 S Corbett Ave
Portland, OR 97239

Project: **Hillsboro School District**

Project Number: **Hare Field/24013061**

Project Manager: **Dale Voeller**

Report ID:

A5E1270 - 05 23 25 1155

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
22390007-001KF25C	A5E1270-01	Drinking Water	05/09/25 00:00	05/12/25 11:38
22390007-001KF25D	A5E1270-02	Drinking Water	05/09/25 00:00	05/12/25 11:38
22390007-012KF25C	A5E1270-03	Drinking Water	05/09/25 00:00	05/12/25 11:38

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 Environmental4412 S Corbett Ave
Portland, OR 97239Project: **Hillsboro School District**Project Number: **Hare Field/24013061**Project Manager: **Dale Voeller****Report ID:****A5E1270 - 05 23 25 1155****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
22390007-001KF25C (A5E1270-01)				Matrix: Drinking Water				
Batch: 25E0642								
Lead	ND	---	0.200	ug/L	1	05/21/25 11:12	EPA 200.8	
22390007-001KF25D (A5E1270-02)				Matrix: Drinking Water				
Batch: 25E0642								
Lead	ND	---	0.200	ug/L	1	05/21/25 11:18	EPA 200.8	
22390007-012KF25C (A5E1270-03)				Matrix: Drinking Water				
Batch: 25E0642								
Lead	ND	---	0.200	ug/L	1	05/21/25 11:20	EPA 200.8	

Apex Laboratories

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ORELAP ID: OR100062

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

Project: **Hillsboro School District**
Project Number: **Hare Field/24013061**
Project Manager: **Dale Voeller**

Report ID:
A5E1270 - 05 23 25 1155

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 25E0642 - EPA 200.8 Direct Analysis							Drinking Water					
Blank (25E0642-BLK1)		Prepared: 05/20/25 07:38			Analyzed: 05/21/25 11:09							
EPA 200.8												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (25E0642-BS1)		Prepared: 05/20/25 07:38			Analyzed: 05/21/25 11:10							
EPA 200.8												
Lead	14.9	---	0.201	ug/L	1	15.0	---	99	85 - 115%	---	---	
Duplicate (25E0642-DUP1)		Prepared: 05/20/25 07:38			Analyzed: 05/21/25 11:14							
QC Source Sample: 22390007-001KF25C (A5E1270-01)												
EPA 200.8												
Lead	ND	---	0.200	ug/L	1	---	0.196	---	---	***	20%	
Matrix Spike (25E0642-MS1)		Prepared: 05/20/25 07:38			Analyzed: 05/21/25 11:16							
QC Source Sample: 22390007-001KF25C (A5E1270-01)												
EPA 200.8												
Lead	14.9	---	0.201	ug/L	1	15.0	0.196	98	70 - 130%	---	---	

Apex Laboratories

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Portland, OR 97239

Project: **Hillsboro School District**

Project Number: **Hare Field/24013061**

Project Manager: **Dale Voeller**

Report ID:

A5E1270 - 05 23 25 1155

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
<u>Batch: 25E0642</u>							
A5E1270-01	Drinking Water	EPA 200.8	05/09/25 00:00	05/20/25 07:38	10mL/10mL	10mL/10mL	1.00
A5E1270-02	Drinking Water	EPA 200.8	05/09/25 00:00	05/20/25 07:38	10mL/10mL	10mL/10mL	1.00
A5E1270-03	Drinking Water	EPA 200.8	05/09/25 00:00	05/20/25 07:38	10mL/10mL	10mL/10mL	1.00

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Project Number: Hare Field/24013061

Project Manager: Dale Voeller

Report ID:

A5E1270 - 05 23 25 1155

QUALIFIER DEFINITIONS

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

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

Apex Laboratories

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Jason Woodcock, Project Manager



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Project Number: **Hare Field/24013061**
Project Manager: **Dale Voeller**

Report ID:
A5E1270 - 05 23 25 1155

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 and Detection Limits: Default Limits

Default Reporting and Detection Limits are based on 100% dry weight with the minimum dilution for the analysis. Reporting and Detection Limits are raised due to moisture content, additional dilutions required for analysis, matrix interferences and in other cases, as necessary.

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).

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Report ID:
A5E1270 - 05 23 25 1155

REPORTING NOTES AND CONVENTIONS (Cont.):

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.

For further details, please request a copy of this document.

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.

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 isomer.

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Project Manager: **Dale Voeller**

Report ID:

A5E1270 - 05 23 25 1155

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 correction 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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Jason Woodcock, Project Manager



ANALYTICAL REPORT

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503-718-2323
ORELAP ID: OR100062

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

Project: **Hillsboro School District**
Project Number: **Hare Field/24013061**
Project Manager: **Dale Voeller**

Report ID:
A5E1270 - 05 23 25 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

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

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PBS Engineering and Environmental

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Portland, OR 97239

Project: **Hillsboro School District**

Project Number: **Hare Field/24013061**

Project Manager: **Dale Voeller**

Report ID:

A5E1270 - 05 23 25 1155

A5E1270

Lead in Drinking Water Testing Program

Date Collected: 05/09/2025

PBS Project: 24013061 / 0005

School Name: Hare Field

District: Hillsboro School District

Building: Grandstand

Building Number: 22390007

Analysis Requested: Lead (Pb) in Drinking Water

Email Results To: voeller@pbsusa.com

Turnaround Time: 10-day

	Fixture Number	Sample Number	Room / Location
1	001	22390007-001KF25C	Grandstand concession stand sink faucet – first draw
2	001	22390007-001KF25D	Grandstand concession stand sink faucet - flush
3	012	22390007-012KF25C	Grandstand concession stand, sink sprayer
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Relinquished By/Signature

[Signature]

Date/Time:

05/09/25 1226

Received By/Signature:

[Signature]

Date/Time:

5/12/25 1138

1 of 1

Apex Laboratories

[Signature]

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: Hare Field/24013061

Project Manager: Dale Voeller

Report ID:

ASE1270 - 05 23 25 1155

APEX LABS COOLER RECEIPT FORM

Client: PBS Element WO#: ASE1270

Project/Project #: 24013061/0005 / District: Hillsboro School District / Hare Field

Delivery Info:

Date/time received: 5/12/25 @ 1138 By: JPC

Delivered by: Apex Client ESS FedEx UPS Radio Morgan SDS Evergreen Other

From USDA Regulated Origin? Yes No X

Cooler Inspection Date/time inspected: 5/12/25 @ 1344 By: JPC

Chain of Custody included? Yes X No

Signed/dated by client? Yes X No

Contains USDA Reg. Soils? Yes No X Unsure (email RegSoils)

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	19.4						
Custody seals? (Y/N)	22						
Received on ice? (Y/N)	22						
Temp. blanks? (Y/N)	22						
Ice type: (Gel/Real/Other)	None						
Condition (In/Out)	OK						

Cooler out of temp? (Y/N) Possible reason why: DRINKING WATERS

Green dots applied to out of temperature samples? Yes No

Out of temperature samples form initiated? Yes No

Sample Inspection: Date/time inspected: 5/14/25 @ 0922 By: JPC

All samples intact? Yes X No Comments:

Bottle labels/COCs agree? Yes No X Comments: 22390007-001KF25D and 22390007-012KF25C cont. prefix reads 22390007

COC/container discrepancies form initiated? Yes No X

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

Do VOA vials have visible headspace? Yes No NA X

Comments:

Water samples: pH checked: Yes X No NA pH appropriate? Yes X No NA pH ID: A235172

Comments:

Labeled by: JPC

Witness: JS

Cooler Inspected by: JPC

Form Y-003 R-02