November 7, 2023

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

Via email: wenzlofw@hsd.or.k12.us

Regarding: Drinking Water Sampling Report
Evergreen Middle School – Room 615
456 NE Evergreen Road
Hillsboro, Oregon
PBS Project Number 23440.173 / 0005

Dear Mr. Wenzloff:

Between August 15 and October 14, 2023, PBS Engineering and Environmental Inc. (PBS) performed drinking water sampling in Room 615 at Evergreen Middle School in Hillsboro, Oregon. The testing was requested by the Hillsboro School District as part of their efforts to ensure that concentrations of lead in drinking water at the school remain below the ODE action level of 15 parts per billion (ppb).

Room 615 is a food lab and includes sinks at seven work stations. An eighth sink is located in the adjoining Clothing Resource storage room. In March 2022, PBS performed building-wide drinking water sampling for lead at this school. During the initial round of sampling in Room 615 one of the fixtures was not working and laboratory analytical results showed elevated levels of lead in drinking water from the remaining seven fixtures. The room was then in use as a bicycle repair and storage room and the decision was made to turn off all of the fixtures instead of trying to repair them. Just prior to the beginning of the 2023/2024 academic year, the school decided to start using the room as a food lab once again.

On August 15, 2023, an initial round of sampling was conducted after the fixtures were turned back on, thoroughly flushed, and the water allowed to sit stagnant overnight. Laboratory analysis showed that all but one of the fixtures had lead concentrations above 15 ppb.

A second round of sampling was completed after all of the fixtures, supply lines, stops, and supply piping back to the main supply line in the adjacent hallway, were replaced. Lead concentration in drinking water from fixtures 105 and 109 remained above 15 ppb.

The third round of sampling was completed after fixtures 105 and 109 were replaced again. Laboratory analysis showed that both fixtures still had lead concentrations above 15 ppb. Flush samples from both fixtures were well below 15 ppb.

Both fixtures were replaced again, this time with a different brand of fixture, and a final round of water samples was collected. Laboratory analysis showed that the lead concentrations in water samples from both fixtures were below 15 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 water 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 drinking are identified. Flush samples are collected after allowing the fixture to run for 30-seconds. Analysis of flush samples helps to determine if the source of the lead is in the fixture or in the upstream plumbing. All samples were delivered under chain of custody to Apex Laboratories in Tigard, Oregon for lead analysis.

The tables below show the results of each sampling round. Results above 15ppb are shown in bold.

Round 1 – August 15, 2023

Fixture Number	Sample Number	Location / Room No.	Results (ppb)
104	22391800-104KF23A	Room 615 prep station sinks - left to right (1) north wall	5.86
105	22391800-105KF23A	Room 615 prep station sinks - left to right (2) NE corner	**367**
106	22391800-106KF23A	Room 615 prep station sinks - left to right (3) NE corner	**1020**
107	22391800-107KF23A	Room 615 prep station sinks - L to R (4) SE corner	**26.1**
108	22391800-108KF23A	Room 615 prep station sinks - left to right (5) SE corner	**17.0**
109	22391800-109KF23A	Room 615 prep station sinks - left to right (6) SW corner	**35.6**
110	22391800-110KF23A	Room 615 prep station sinks - left to right (7) west wall	**34.7**
111	22391800-111CF23A	Clothing resource room at Room 615, sink faucet	**98.1**

Round 2 – September 9, 2023

Fixture Number	Sample Number	Location / Room No.	Results (ppb)
104	22391800-104KF23B	Room 615 prep station sinks - left to right (1) north wall	0.872
105	22391800-105KF23B	Room 615 prep station sinks - left to right (2) NE corner	**96.3**
106	22391800-106KF23B	Room 615 prep station sinks - left to right (3) NE corner	3.31
107	22391800-107KF23B	Room 615 prep station sinks - L to R (4) SE corner	0.457
108	22391800-108KF23B	Room 615 prep station sinks - left to right (5) SE corner	3.89
109	22391800-109KF23B	Room 615 prep station sinks - left to right (6) SW corner	**49.0**
110	22391800-110KF23B	Room 615 prep station sinks - left to right (7) west wall	5.43
111	22391800-111CF23B	Clothing resource room at Room 615, sink faucet	0.524

Round 3 – September 19, 2023

Fixture Number	Sample Number	Location / Room No.	Results (ppb)
105	22391800-105KF23C	Room 615 prep station sinks - left to right (2) NE corner – First Draw	**18.4**
105	22391800-105KF23D	Room 615 prep station sinks - left to right (2) NE corner - Flush	0.575
109	22391800-109KF23C	Room 615 prep station sinks - left to right (6) SW corner – First Draw	**38.3**
109	22391800-109KF23D	Room 615 prep station sinks - left to right (6) SW corner - Flush	0.819

Round 4 – October 14, 2023

Fixture Number	Sample Number	Location / Room No.	Results (ppb)
105	22391800-105KF23E	Room 615 prep station sinks - left to right (2) NE corner – First Draw	3.77
105	22391800-105KF23F	Room 615 prep station sinks - left to right (2) NE corner - Flush	0.781
109	22391800-109KF23E	Room 615 prep station sinks - left to right (6) SW corner – First Draw	1.07
109	22391800-109KF23F	Room 615 prep station sinks - left to right (6) SW corner - Flush	ND

Please refer to the attached fixture location drawing 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.

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

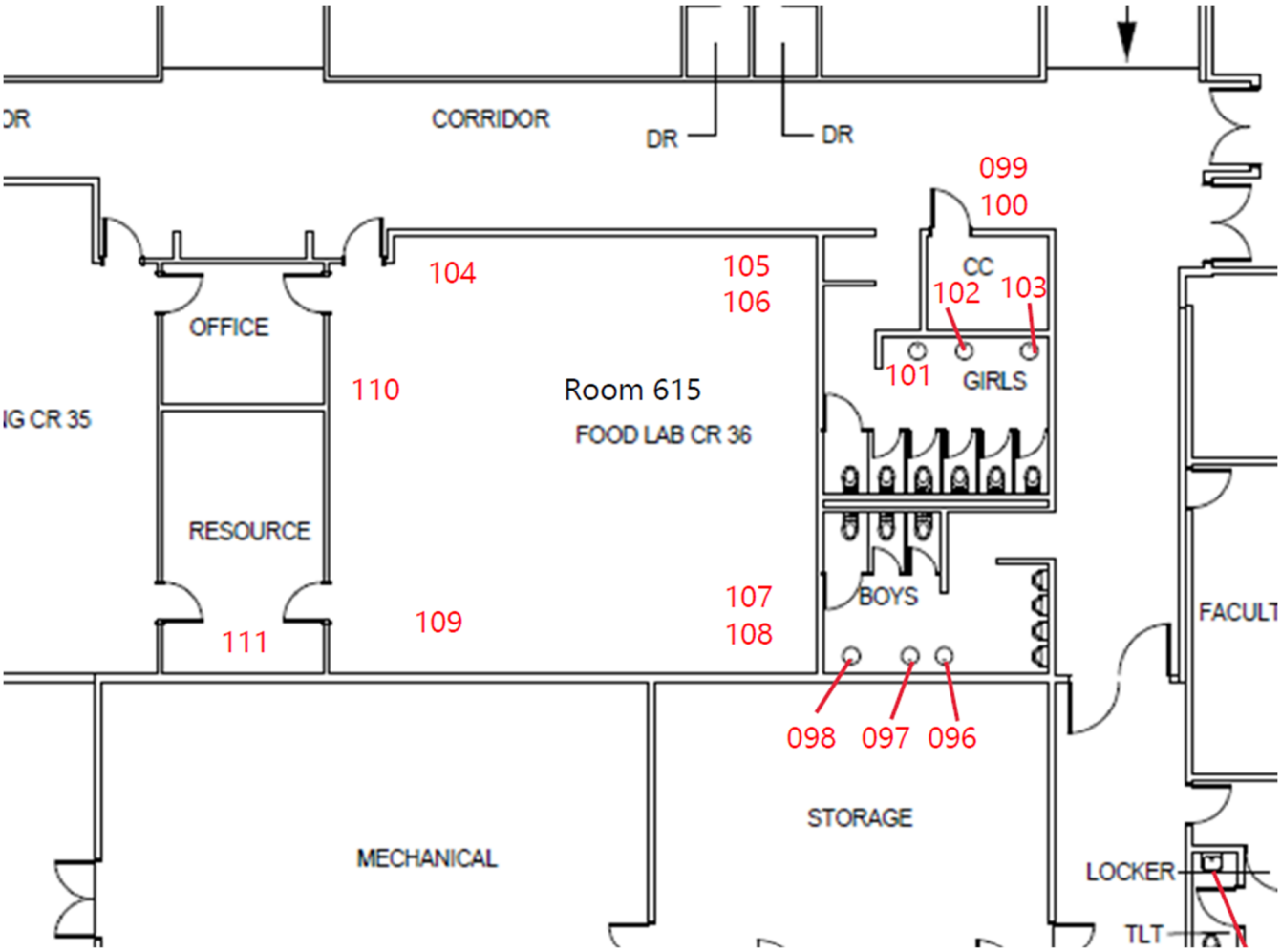
Sincerely,

Digitally signed by Dale Voeller, CHMM, CSP
Date: 2023.11.07 17:37:32 -08'00'

Dale Voeller, CHMM, CSP
Senior Project Manager

Attachments: Fixture Location Diagram
Laboratory Analytical Reports

Evergreen MS – Room 615
Fixture Location Drawing
November 7, 2023



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

ANALYTICAL REPORT

Tuesday, August 22, 2023

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

RE: A3H1126 - Evergreen MS - 23440.173

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 A3H1126, which was received by the laboratory on 8/16/2023 at 10:26:00AM.

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 24.6 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

Jason Woodcock, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Apex Laboratories, LLC
6700 S.W. Sandburg Street
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503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

PBS Engineering and Environmental	Project: **Evergreen MS**	
4412 S Corbett Ave	Project Number: **23440.173**	**Report ID:**
Portland, OR 97239	Project Manager: **Dale Voeller**	**A3H1126 - 08 22 23 1632**

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
22391800-104KF23A	A3H1126-01	Drinking Water	08/15/23 00:00	08/16/23 10:26
22391800-105KF23A	A3H1126-02	Drinking Water	08/15/23 00:00	08/16/23 10:26
22391800-106KF23A	A3H1126-03	Drinking Water	08/15/23 00:00	08/16/23 10:26
22391800-107KF23A	A3H1126-04	Drinking Water	08/15/23 00:00	08/16/23 10:26
22391800-108KF23A	A3H1126-05	Drinking Water	08/15/23 00:00	08/16/23 10:26
22391800-109KF23A	A3H1126-06	Drinking Water	08/15/23 00:00	08/16/23 10:26
22391800-110KF23A	A3H1126-07	Drinking Water	08/15/23 00:00	08/16/23 10:26
22391800-111CF23A	A3H1126-08	Drinking Water	08/15/23 00:00	08/16/23 10:26

Apex Laboratories

Jason Woodcock, Project Manager

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ORELAP ID: OR100062

ANALYTICAL REPORT

PBS Engineering and Environmental	Project: Evergreen MS	
4412 S Corbett Ave	Project Number: 23440.173	Report ID:
Portland, OR 97239	Project Manager: Dale Voeller	A3H1126 - 08 22 23 1632

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
22391800-104KF23A (A3H1126-01)				**Matrix: Drinking Water**				
Batch: 23H0616								
Lead	**5.86**	---	0.200	ug/L	1	08/18/23 19:41	EPA 200.8	
22391800-105KF23A (A3H1126-02RE1)				**Matrix: Drinking Water**				
Batch: 23H0616								
Lead	**367**	---	2.00	ug/L	10	08/21/23 15:37	EPA 200.8	
22391800-106KF23A (A3H1126-03RE1)				**Matrix: Drinking Water**				
Batch: 23H0616								
Lead	**1020**	---	4.00	ug/L	20	08/21/23 15:39	EPA 200.8	
22391800-107KF23A (A3H1126-04)				**Matrix: Drinking Water**				
Batch: 23H0637								
Lead	**26.1**	---	0.222	ug/L	1	08/17/23 14:42	EPA 200.8	**DW-D**
22391800-108KF23A (A3H1126-05)				**Matrix: Drinking Water**				
Batch: 23H0637								
Lead	**17.0**	---	0.222	ug/L	1	08/17/23 14:58	EPA 200.8	**DW-D**
22391800-109KF23A (A3H1126-06)				**Matrix: Drinking Water**				
Batch: 23H0637								
Lead	**35.6**	---	0.222	ug/L	1	08/17/23 15:03	EPA 200.8	**DW-D**
22391800-110KF23A (A3H1126-07)				**Matrix: Drinking Water**				
Batch: 23H0637								
Lead	**34.7**	---	0.222	ug/L	1	08/17/23 15:08	EPA 200.8	**DW-D**
22391800-111CF23A (A3H1126-08RE1)				**Matrix: Drinking Water**				
Batch: 23H0616								
Lead	**98.1**	---	2.00	ug/L	10	08/21/23 15:40	EPA 200.8	

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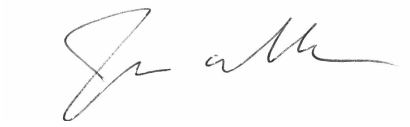

Jason Woodcock, Project Manager

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Apex Laboratories, LLC
6700 S.W. Sandburg Street
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503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

PBS Engineering and Environmental	Project: Evergreen MS	
4412 S Corbett Ave	Project Number: 23440.173	Report ID:
Portland, OR 97239	Project Manager: Dale Voeller	A3H1126 - 08 22 23 1632

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 23H0616 - EPA 200.8 Direct Analysis											Drinking Water	
Blank (23H0616-BLK1)		Prepared: 08/16/23 14:18		Analyzed: 08/18/23 19:26								
EPA 200.8												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (23H0616-BS1)		Prepared: 08/16/23 14:18		Analyzed: 08/18/23 19:28								
EPA 200.8												
Lead	15.5	---	0.201	ug/L	1	15.0	---	104	85 - 115%	---	---	
Duplicate (23H0616-DUP2)		Prepared: 08/16/23 14:18		Analyzed: 08/21/23 15:41								
QC Source Sample: 22391800-111CF23A (A3H1126-08RE1)												
EPA 200.8												
Lead	**96.9**	---	2.00	ug/L	10	---	98.1	---	---	1	20%	Q-16
Matrix Spike (23H0616-MS3)		Prepared: 08/16/23 14:18		Analyzed: 08/21/23 15:43								
QC Source Sample: 22391800-111CF23A (A3H1126-08RE1)												
EPA 200.8												
Lead	111	---	2.01	ug/L	10	15.0	98.1	88	70 - 130%	---	---	Q-16
Batch 23H0637 - EPA 3015A											Drinking Water	
Blank (23H0637-BLK1)		Prepared: 08/17/23 09:34		Analyzed: 08/17/23 13:56								
EPA 200.8												
Lead	ND	---	0.222	ug/L	1	---	---	---	---	---	---	
LCS (23H0637-BS1)		Prepared: 08/17/23 09:34		Analyzed: 08/17/23 14:02								
EPA 200.8												
Lead	17.7	---	0.222	ug/L	1	16.7	---	106	85 - 115%	---	---	

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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ANALYTICAL REPORT

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4412 S Corbett Ave	Project Number: **23440.173**	**Report ID:**
Portland, OR 97239	Project Manager: **Dale Voeller**	**A3H1126 - 08 22 23 1632**

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: 23H0616							
A3H1126-01	Drinking Water	EPA 200.8	08/15/23 00:00	08/16/23 14:18	10mL/10mL	10mL/10mL	1.00
A3H1126-02RE1	Drinking Water	EPA 200.8	08/15/23 00:00	08/16/23 14:18	10mL/10mL	10mL/10mL	1.00
A3H1126-03RE1	Drinking Water	EPA 200.8	08/15/23 00:00	08/16/23 14:18	10mL/10mL	10mL/10mL	1.00
A3H1126-08RE1	Drinking Water	EPA 200.8	08/15/23 00:00	08/16/23 14:18	10mL/10mL	10mL/10mL	1.00

Prep: EPA 3015A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 23H0637							
A3H1126-04	Drinking Water	EPA 200.8	08/15/23 00:00	08/17/23 09:34	45mL/50mL	10mL/10mL	1.11
A3H1126-05	Drinking Water	EPA 200.8	08/15/23 00:00	08/17/23 09:34	45mL/50mL	10mL/10mL	1.11
A3H1126-06	Drinking Water	EPA 200.8	08/15/23 00:00	08/17/23 09:34	45mL/50mL	10mL/10mL	1.11
A3H1126-07	Drinking Water	EPA 200.8	08/15/23 00:00	08/17/23 09:34	45mL/50mL	10mL/10mL	1.11

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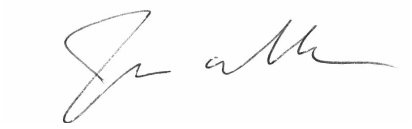

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4412 S Corbett Ave	Project Number: **23440.173**	**Report ID:**
Portland, OR 97239	Project Manager: **Dale Voeller**	**A3H1126 - 08 22 23 1632**

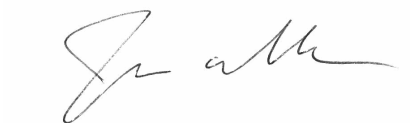
QUALIFIER DEFINITIONS

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



Jason Woodcock, Project Manager

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ANALYTICAL REPORT

PBS Engineering and Environmental	Project: **Evergreen MS**	
4412 S Corbett Ave	Project Number: **23440.173**	**Report ID:**
Portland, OR 97239	Project Manager: **Dale Voeller**	**A3H1126 - 08 22 23 1632**

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:

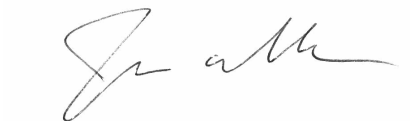
" --- " QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.

" *** " 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.

Apex Laboratories



Jason Woodcock, Project Manager

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503-718-2323
ORELAP ID: **OR100062**

PBS Engineering and Environmental	Project: **Evergreen MS**	
4412 S Corbett Ave	Project Number: **23440.173**	**Report ID:**
Portland, OR 97239	Project Manager: **Dale Voeller**	**A3H1126 - 08 22 23 1632**

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:

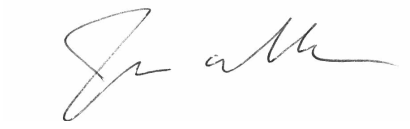
Certain regulatory programs, such as National Pollutant Discharge Elimination System (NPDES), require that activities such as sample filtration (for dissolved metals, orthophosphate, hexavalent chromium, etc.) and testing of short hold analytes (pH, Dissolved Oxygen, etc.) be performed in the field (on-site) 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.

Apex Laboratories



Jason Woodcock, Project Manager

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ANALYTICAL REPORT

PBS Engineering and Environmental	Project: **Evergreen MS**	
4412 S Corbett Ave	Project Number: **23440.173**	**Report ID:**
Portland, OR 97239	Project Manager: **Dale Voeller**	**A3H1126 - 08 22 23 1632**

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.

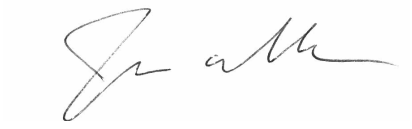
Subcontract Laboratory Accreditations

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 provded by the client or sampler, and fall outside of Apex Laboratories' Scope of Accreditation.

Apex Laboratories



Jason Woodcock, Project Manager

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Apex Laboratories, LLC
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Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

PBS Engineering and Environmental	Project: **Evergreen MS**	
4412 S Corbett Ave	Project Number: **23440.173**	**Report ID:**
Portland, OR 97239	Project Manager: **Dale Voeller**	**A3H1126 - 08 22 23 1632**

A3H1126

Lead in Drinking Water Testing Program

Date Collected: 08/15/2023 PBS Project: 23440.173 / 0005

School Name: Evergreen Middle School

Building: Main Building - Room 615 Round 1 Building Number: 22391800

Analysis Requested: Lead (Pb) in Drinking Water

Email Results To: voeller@pbsusa.com Turnaround Time: Please RUSH

	Fixture Number	Sample Number	Location / Description
1	104	22391800-104KF23A	Room 615 prep station sinks - left to right (1) north wall
2	105	22391800-105KF23A	Room 615 prep station sinks - left to right (2) NE corner
3	106	22391800-106KF23A	Room 615 prep station sinks - left to right (3) NE corner
4	107	22391800-107KF23A	Room 615 prep station sinks - L to R (4) SE corner
5	108	22391800-108KF23A	Room 615 prep station sinks - left to right (5) SE corner
6	109	22391800-109KF23A	Room 615 prep station sinks - left to right (6) SW corner
7	110	22391800-110KF23A	Room 615 prep station sinks - left to right (7) west wall
8	111	22391800-111CF23A	Clothing resource room at Room 615, sink faucet
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Relinquished By/Signature: [signature] Date/Time: 8/15/23 @ 8:04 PM

Received By/Signature: [signature] APEX LABS Date/Time: 8/16/23 1026

1 of 1

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[signature]

Jason Woodcock, Project Manager

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Portland, OR 97239	Project Manager: **Dale Voeller**	**A3H1126 - 08 22 23 1632**

APEX LABS COOLER RECEIPT FORM

Client: PBS Element WO#: A3 H1126

Project/Project #: Evergreen ~~middle~~ Middle School Main Building Room 615 Round 23440.173/0005 Bid: 22391800

Delivery Info:

Date/time received: 8/16/23 @ 1026 By: EST

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

Cooler Inspection Date/time inspected: 8/16/23 @ 1058 By: EST

Chain of Custody included? Yes X No

Signed/dated by client? Yes X No

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	24.6						
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 waters

Green dots applied to out of temperature samples? Yes/No

Out of temperature samples form initiated? Yes/No

Sample Inspection: Date/time inspected: 8/16/23 @ 1215 By: JS

All samples intact? Yes X No ___ Comments: ___

Bottle labels/COCs agree? Yes X No ___ Comments: ___

COC/container discrepancies form initiated? Yes ___ No X

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

Do VOA vials have visible headspace? Yes ___ No ___ NA X

Comments ___

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

Comments: ___

Additional information: ___

Labeled by: JS Witness: KAM Cooler Inspected by: JS

Form Y-003 R-00

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ANALYTICAL REPORT

Monday, September 18, 2023

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

RE: A3I0945 - Evergreen MS - 23440.173

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 A3I0945, which was received by the laboratory on 9/11/2023 at 9:00:00AM.

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 21.2 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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ANALYTICAL REPORT

PBS Engineering and Environmental	Project: **Evergreen MS**	
4412 S Corbett Ave	Project Number: **23440.173**	**Report ID:**
Portland, OR 97239	Project Manager: **Dale Voeller**	**A3I0945 - 09 18 23 1329**

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
22391800-104KF23B	A3I0945-01	Drinking Water	09/09/23 00:00	09/11/23 09:00
22391800-105KF23B	A3I0945-02	Drinking Water	09/09/23 00:00	09/11/23 09:00
22391800-106KF23B	A3I0945-03	Drinking Water	09/09/23 00:00	09/11/23 09:00
22391800-107KF23B	A3I0945-04	Drinking Water	09/09/23 00:00	09/11/23 09:00
22391800-108KF23B	A3I0945-05	Drinking Water	09/09/23 00:00	09/11/23 09:00
22391800-109KF23B	A3I0945-06	Drinking Water	09/09/23 00:00	09/11/23 09:00
22391800-110KF23B	A3I0945-07	Drinking Water	09/09/23 00:00	09/11/23 09:00
22391800-111CF23B	A3I0945-08	Drinking Water	09/09/23 00:00	09/11/23 09:00

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ANALYTICAL REPORT

PBS Engineering and Environmental	Project: **Evergreen MS**	
4412 S Corbett Ave	Project Number: **23440.173**	**Report ID:**
Portland, OR 97239	Project Manager: **Dale Voeller**	**A3I0945 - 09 18 23 1329**

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
22391800-104KF23B (A3I0945-01RE1)				**Matrix: Drinking Water**				
Batch: 23I0487								
Lead	**0.872**	---	0.200	ug/L	1	09/15/23 19:24	EPA 200.8	**DW-D**
22391800-105KF23B (A3I0945-02)				**Matrix: Drinking Water**				
Batch: 23I0395								
Lead	**96.3**	---	0.200	ug/L	1	09/14/23 15:19	EPA 200.8	**B-02, DW-D**
22391800-106KF23B (A3I0945-03)				**Matrix: Drinking Water**				
Batch: 23I0395								
Lead	**3.31**	---	0.200	ug/L	1	09/14/23 15:21	EPA 200.8	**B-02, DW-D**
22391800-107KF23B (A3I0945-04RE1)				**Matrix: Drinking Water**				
Batch: 23I0487								
Lead	**0.457**	---	0.200	ug/L	1	09/15/23 19:29	EPA 200.8	**DW-D**
22391800-108KF23B (A3I0945-05)				**Matrix: Drinking Water**				
Batch: 23I0395								
Lead	**3.89**	---	0.200	ug/L	1	09/14/23 15:24	EPA 200.8	**B-02, DW-D**
22391800-109KF23B (A3I0945-06)				**Matrix: Drinking Water**				
Batch: 23I0395								
Lead	**49.0**	---	0.200	ug/L	1	09/14/23 15:26	EPA 200.8	**B-02, DW-D**
22391800-110KF23B (A3I0945-07)				**Matrix: Drinking Water**				
Batch: 23I0395								
Lead	**5.43**	---	0.200	ug/L	1	09/14/23 15:31	EPA 200.8	**B-02, DW-D**
22391800-111CF23B (A3I0945-08)				**Matrix: Drinking Water**				
Batch: 23I0301								
Lead	**0.524**	---	0.200	ug/L	1	09/14/23 15:36	EPA 200.8	

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Jason Woodcock, Project Manager

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ORELAP ID: OR100062

ANALYTICAL REPORT

PBS Engineering and Environmental	Project: Evergreen MS	
4412 S Corbett Ave	Project Number: 23440.173	Report ID:
Portland, OR 97239	Project Manager: Dale Voeller	A3I0945 - 09 18 23 1329

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 23I0301 - EPA 200.8 Direct Analysis												**Drinking Water**
Blank (23I0301-BLK1)		Prepared: 09/11/23 14:20		Analyzed: 09/14/23 15:33								
EPA 200.8												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (23I0301-BS1)		Prepared: 09/11/23 14:20		Analyzed: 09/14/23 15:34								
EPA 200.8												
Lead	15.7	---	0.201	ug/L	1	15.0	---	105	85 - 115%	---	---	
Duplicate (23I0301-DUP1)		Prepared: 09/11/23 14:20		Analyzed: 09/14/23 15:38								
QC Source Sample: 22391800-111CF23B (A3I0945-08)												
EPA 200.8												
Lead	**0.495**	---	0.200	ug/L	1	---	0.524	---	---	6	20%	
Matrix Spike (23I0301-MS1)		Prepared: 09/11/23 14:20		Analyzed: 09/14/23 15:39								
QC Source Sample: 22391800-111CF23B (A3I0945-08)												
EPA 200.8												
Lead	15.7	---	0.201	ug/L	1	15.0	0.524	101	70 - 130%	---	---	
Batch 23I0395 - EPA 3015A												**Drinking Water**
Blank (23I0395-BLK1)		Prepared: 09/13/23 15:46		Analyzed: 09/14/23 15:11								
EPA 200.8												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	B-02, DW-D
LCS (23I0395-BS1)		Prepared: 09/13/23 15:46		Analyzed: 09/14/23 15:13								
EPA 200.8												
Lead	17.8	---	0.200	ug/L	1	16.7	---	107	85 - 115%	---	---	B-02, DW-D
Duplicate (23I0395-DUP1)		Prepared: 09/13/23 15:46		Analyzed: 09/14/23 15:16								
QC Source Sample: 22391800-104KF23B (A3I0945-01)												
EPA 200.8												
Lead	**0.852**	---	0.200	ug/L	1	---	0.910	---	---	7	20%	B-02, DW-D

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ORELAP ID: **OR100062**

ANALYTICAL REPORT

PBS Engineering and Environmental	Project: **Evergreen MS**	
4412 S Corbett Ave	Project Number: **23440.173**	**Report ID:**
Portland, OR 97239	Project Manager: **Dale Voeller**	**A3I0945 - 09 18 23 1329**

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 23I0395 - EPA 3015A									**Drinking Water**			
Matrix Spike (23I0395-MS1)		Prepared: 09/13/23 15:46			Analyzed: 09/14/23 15:18							
QC Source Sample: 22391800-104KF23B (A3I0945-01)												
EPA 200.8												
Lead	17.3	---	0.200	ug/L	1	16.7	0.910	98	70 - 130%	---	---	B-02, DW-D

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4412 S Corbett Ave	Project Number: 23440.173	Report ID:
Portland, OR 97239	Project Manager: Dale Voeller	A3I0945 - 09 18 23 1329

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 23I0487 - EPA 3015A												**Drinking Water**
Blank (23I0487-BLK1)		Prepared: 09/15/23 11:44		Analyzed: 09/15/23 19:13								
EPA 200.8												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (23I0487-BS1)		Prepared: 09/15/23 11:44		Analyzed: 09/15/23 19:18								
EPA 200.8												
Lead	18.0	---	0.200	ug/L	1	16.7	---	108	85 - 115%	---	---	
Duplicate (23I0487-DUP1)		Prepared: 09/15/23 11:44		Analyzed: 09/15/23 19:34								
QC Source Sample: 22391800-107KF23B (A3I0945-04RE1)												
EPA 200.8												
Lead	**0.471**	---	0.200	ug/L	1	---	0.457	---	---	3	20%	DW-D
Matrix Spike (23I0487-MS1)		Prepared: 09/15/23 11:44		Analyzed: 09/15/23 19:39								
QC Source Sample: 22391800-107KF23B (A3I0945-04RE1)												
EPA 200.8												
Lead	18.2	---	0.200	ug/L	1	16.7	0.457	106	70 - 130%	---	---	DW-D

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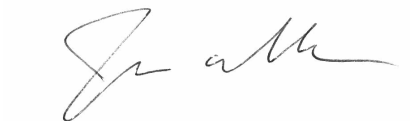

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SAMPLE PREPARATION INFORMATION

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: 23I0301							
A3I0945-08	Drinking Water	EPA 200.8	09/09/23 00:00	09/11/23 14:20	10mL/10mL	10mL/10mL	1.00

Prep: EPA 3015A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 23I0395							
A3I0945-02	Drinking Water	EPA 200.8	09/09/23 00:00	09/13/23 15:46	45mL/50mL	45mL/50mL	1.00
A3I0945-03	Drinking Water	EPA 200.8	09/09/23 00:00	09/13/23 15:46	45mL/50mL	45mL/50mL	1.00
A3I0945-05	Drinking Water	EPA 200.8	09/09/23 00:00	09/13/23 15:46	45mL/50mL	45mL/50mL	1.00
A3I0945-06	Drinking Water	EPA 200.8	09/09/23 00:00	09/13/23 15:46	45mL/50mL	45mL/50mL	1.00
A3I0945-07	Drinking Water	EPA 200.8	09/09/23 00:00	09/13/23 15:46	45mL/50mL	45mL/50mL	1.00
Batch: 23I0487							
A3I0945-01RE1	Drinking Water	EPA 200.8	09/09/23 00:00	09/15/23 11:44	45mL/50mL	45mL/50mL	1.00
A3I0945-04RE1	Drinking Water	EPA 200.8	09/09/23 00:00	09/15/23 11:44	45mL/50mL	45mL/50mL	1.00

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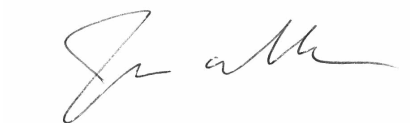

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4412 S Corbett Ave	Project Number: **23440.173**	**Report ID:**
Portland, OR 97239	Project Manager: **Dale Voeller**	**A3I0945 - 09 18 23 1329**

QUALIFIER DEFINITIONS

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

Apex Laboratories

B-02	Analyte detected in an associated blank at a level between one-half the MRL and the MRL. (See Notes and Conventions below.)
DW-D	Turbidity greater than 1 NTU. Sample was digested per EPA Method 200.8.

Apex Laboratories

Jason Woodcock, Project Manager

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4412 S Corbett Ave	Project Number: **23440.173**	**Report ID:**
Portland, OR 97239	Project Manager: **Dale Voeller**	**A3I0945 - 09 18 23 1329**

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:

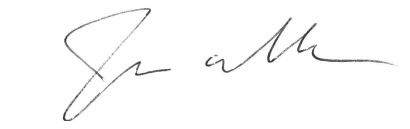
" --- " QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.

" *** " 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.

Apex Laboratories



Jason Woodcock, Project Manager

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PBS Engineering and Environmental	Project: **Evergreen MS**	
4412 S Corbett Ave	Project Number: **23440.173**	**Report ID:**
Portland, OR 97239	Project Manager: **Dale Voeller**	**A3I0945 - 09 18 23 1329**

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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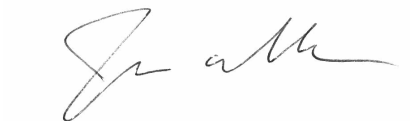

Jason Woodcock, Project Manager

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

ANALYTICAL REPORT

PBS Engineering and Environmental	Project: **Evergreen MS**	
4412 S Corbett Ave	Project Number: **23440.173**	**Report ID:**
Portland, OR 97239	Project Manager: **Dale Voeller**	**A3I0945 - 09 18 23 1329**

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 provded by the client or sampler, and fall outside of Apex Laboratories' Scope of Accreditation.

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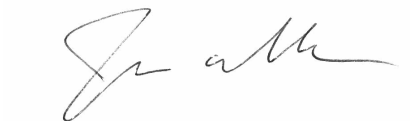

Jason Woodcock, Project Manager

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4412 S Corbett Ave	Project Number: **23440.173**	**Report ID:**
Portland, OR 97239	Project Manager: **Dale Voeller**	**A3I0945 - 09 18 23 1329**

A3I0945

Lead in Drinking Water Testing Program

Date Collected: 09/09/2023 PBS Project: 23440.173 / 0005

School Name: Evergreen Middle School

Building: Main Building - Room 615 Round 2 Building Number: 22391800

Analysis Requested: Lead (Pb) in Drinking Water

Email Results To: voeller@pbsusa.com Turnaround Time: Please RUSH

	Fixture Number	Sample Number	Location / Description
1	104	22391800-104KF23B	Room 615 prep station sinks - left to right (1) north wall
2	105	22391800-105KF23B	Room 615 prep station sinks - left to right (2) NE corner
3	106	22391800-106KF23B	Room 615 prep station sinks - left to right (3) NE corner
4	107	22391800-107KF23B	Room 615 prep station sinks - L to R (4) SE corner
5	108	22391800-108KF23B	Room 615 prep station sinks - left to right (5) SE corner
6	109	22391800-109KF23B	Room 615 prep station sinks - left to right (6) SW corner
7	110	22391800-110KF23B	Room 615 prep station sinks - left to right (7) west wall
8	111	22391800-111CF23B	Clothing resource room at Room 615, sink faucet
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Relinquished By/Signature: Date/Time: 9/11/23 0900

Received By/Signature: Date/Time: 9/11/23 0900

1 of 1

Apex Laboratories

Jason Woodcock, Project Manager

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APEX LABS COOLER RECEIPT FORM

Client: PBS Element WO#: A3I0945

Project/Project #: Evergreen Middle School / 23440.173/0005

Delivery Info:

Date/time received: 9/11/23 @ 0900 By: DSS

Delivered by: Apex__Client X ESS___FedEx__UPS__Radio___Morgan ___SDS___Evergreen___Other ___

Cooler Inspection Date/time inspected: 9/11/23 @0915 By: DSS

Chain of Custody included? Yes X No _____

Signed/dated by client? Yes X No _____

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	21.2						
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? (Y/N) Possible reason why: Drinking Water, received without Ice

Green dots applied to out of temperature samples? Yes/No

Out of temperature samples form initiated? Yes/No

Sample Inspection: Date/time inspected: 9/11/23 @ 12:01 By: RAM

All samples intact? Yes X No ___ Comments: _____

Bottle labels/COCs agree? Yes X No ___ Comments: _____

COC/container discrepancies form initiated? Yes ___ No X

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

Do VOA vials have visible headspace? Yes ___ No ___ NA X

Comments _____

Water samples: pH checked: Yes X No___NA___ pH appropriate? Yes X No___NA____

Comments: _____

Additional information: _____

Labeled by: RAM Witness: DSS Cooler Inspected by: RAM

Form Y-003 R-00

Apex Laboratories

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ORELAP ID: **OR100062**

ANALYTICAL REPORT

Monday, September 25, 2023

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

RE: A3I1251 - Evergreen MS - 23440.173

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 A3I1251, which was received by the laboratory on 9/20/2023 at 9:15:00AM.

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 21.0 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

Jason Woodcock, Project Manager

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ANALYTICAL REPORT

PBS Engineering and Environmental	Project: **Evergreen MS**	
4412 S Corbett Ave	Project Number: **23440.173**	**Report ID:**
Portland, OR 97239	Project Manager: **Dale Voeller**	**A3I1251 - 09 25 23 0956**

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
22391800-105KF23C	A3I1251-01	Drinking Water	09/19/23 00:00	09/20/23 09:15
22391800-105KF23D	A3I1251-02	Drinking Water	09/19/23 00:00	09/20/23 09:15
22391800-109KF23C	A3I1251-03	Drinking Water	09/19/23 00:00	09/20/23 09:15
22391800-109KF23D	A3I1251-04	Drinking Water	09/19/23 00:00	09/20/23 09:15

Apex Laboratories

Jason Woodcock, Project Manager

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ANALYTICAL REPORT

PBS Engineering and Environmental	Project: **Evergreen MS**	
4412 S Corbett Ave	Project Number: **23440.173**	**Report ID:**
Portland, OR 97239	Project Manager: **Dale Voeller**	**A3I1251 - 09 25 23 0956**

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
22391800-105KF23C (A3I1251-01)				**Matrix: Drinking Water**				
Batch: 23I0672								
Lead	**18.4**	---	0.200	ug/L	1	09/22/23 18:54	EPA 200.8	**B-02, DW-D**
22391800-105KF23D (A3I1251-02)				**Matrix: Drinking Water**				
Batch: 23I0635								
Lead	**0.575**	---	0.200	ug/L	1	09/20/23 14:57	EPA 200.8	
22391800-109KF23C (A3I1251-03)				**Matrix: Drinking Water**				
Batch: 23I0672								
Lead	**38.3**	---	0.200	ug/L	1	09/22/23 19:00	EPA 200.8	**B-02, DW-D**
22391800-109KF23D (A3I1251-04)				**Matrix: Drinking Water**				
Batch: 23I0635								
Lead	**0.819**	---	0.200	ug/L	1	09/20/23 15:02	EPA 200.8	

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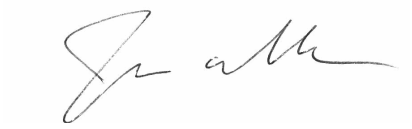

Jason Woodcock, Project Manager

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503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

PBS Engineering and Environmental	Project: **Evergreen MS**	
4412 S Corbett Ave	Project Number: **23440.173**	**Report ID:**
Portland, OR 97239	Project Manager: **Dale Voeller**	**A3I1251 - 09 25 23 0956**

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 23I0635 - EPA 200.8 Direct Analysis											**Drinking Water**	
Blank (23I0635-BLK1)		Prepared: 09/20/23 13:48		Analyzed: 09/20/23 14:53								
EPA 200.8												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (23I0635-BS1)		Prepared: 09/20/23 13:48		Analyzed: 09/20/23 14:55								
EPA 200.8												
Lead	15.7	---	0.201	ug/L	1	15.0	---	105	85 - 115%	---	---	
Duplicate (23I0635-DUP1)		Prepared: 09/20/23 13:48		Analyzed: 09/20/23 14:58								
QC Source Sample: 22391800-105KF23D (A3I1251-02)												
EPA 200.8												
Lead	**0.588**	---	0.200	ug/L	1	---	0.575	---	---	2	20%	
Matrix Spike (23I0635-MS1)		Prepared: 09/20/23 13:48		Analyzed: 09/20/23 15:00								
QC Source Sample: 22391800-105KF23D (A3I1251-02)												
EPA 200.8												
Lead	16.2	---	0.201	ug/L	1	15.0	0.575	104	70 - 130%	---	---	
Batch 23I0672 - EPA 3015A											**Drinking Water**	
Blank (23I0672-BLK1)		Prepared: 09/21/23 10:37		Analyzed: 09/22/23 18:43								
EPA 200.8												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	B-02
LCS (23I0672-BS1)		Prepared: 09/21/23 10:37		Analyzed: 09/22/23 18:49								
EPA 200.8												
Lead	17.2	---	0.200	ug/L	1	16.7	---	103	85 - 115%	---	---	B-02
Duplicate (23I0672-DUP1)		Prepared: 09/21/23 10:37		Analyzed: 09/22/23 19:05								
QC Source Sample: 22391800-109KF23C (A3I1251-03)												
EPA 200.8												
Lead	**36.6**	---	0.200	ug/L	1	---	38.3	---	---	5	20%	B-02, DW-D
Matrix Spike (23I0672-MS1)		Prepared: 09/21/23 10:37		Analyzed: 09/22/23 19:10								

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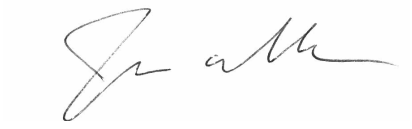

Jason Woodcock, Project Manager

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503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

PBS Engineering and Environmental	Project: **Evergreen MS**	
4412 S Corbett Ave	Project Number: **23440.173**	**Report ID:**
Portland, OR 97239	Project Manager: **Dale Voeller**	**A3I1251 - 09 25 23 0956**

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 23I0672 - EPA 3015A									**Drinking Water**			
Matrix Spike (23I0672-MS1)		Prepared: 09/21/23 10:37		Analyzed: 09/22/23 19:10								
QC Source Sample: 22391800-109KF23C (A3I1251-03)												
EPA 200.8												
Lead	55.7	---	0.200	ug/L	1	16.7	38.3	105	70 - 130%	---	---	B-02, DW-D

Apex Laboratories

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4412 S Corbett Ave	Project Number: **23440.173**	**Report ID:**
Portland, OR 97239	Project Manager: **Dale Voeller**	**A3I1251 - 09 25 23 0956**

SAMPLE PREPARATION INFORMATION

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

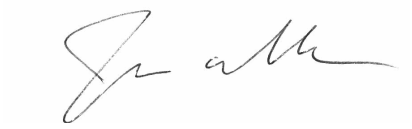
Prep: EPA 200.8 Direct Analysis

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 23I0635							
A3I1251-02	Drinking Water	EPA 200.8	09/19/23 00:00	09/20/23 13:48	10mL/10mL	10mL/10mL	1.00
A3I1251-04	Drinking Water	EPA 200.8	09/19/23 00:00	09/20/23 13:48	10mL/10mL	10mL/10mL	1.00

Prep: EPA 3015A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 23I0672							
A3I1251-01	Drinking Water	EPA 200.8	09/19/23 00:00	09/21/23 10:37	45mL/50mL	45mL/50mL	1.00
A3I1251-03	Drinking Water	EPA 200.8	09/19/23 00:00	09/21/23 10:37	45mL/50mL	45mL/50mL	1.00

Apex Laboratories



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QUALIFIER DEFINITIONS

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

Apex Laboratories

B-02	Analyte detected in an associated blank at a level between one-half the MRL and the MRL. (See Notes and Conventions below.)
DW-D	Turbidity greater than 1 NTU. Sample was digested per EPA Method 200.8.

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 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:

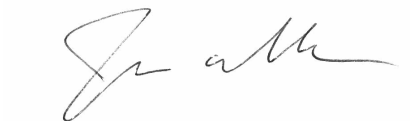
" --- " QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.

" *** " 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.

Apex Laboratories



Jason Woodcock, Project Manager

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ORELAP ID: **OR100062**

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4412 S Corbett Ave	Project Number: **23440.173**	**Report ID:**
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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.

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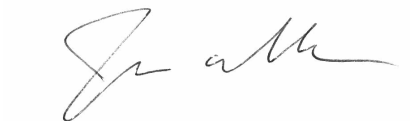

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ANALYTICAL REPORT

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LABORATORY ACCREDITATION INFORMATION

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

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

Apex Laboratories

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation

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.

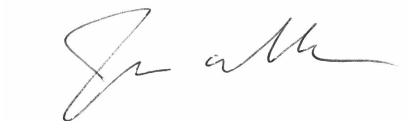
Subcontract Laboratory Accreditations

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.

Apex Laboratories



Jason Woodcock, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

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

ANALYTICAL REPORT

PBS Engineering and Environmental	Project: **Evergreen MS**	
4412 S Corbett Ave	Project Number: **23440.173**	**Report ID:**
Portland, OR 97239	Project Manager: **Dale Voeller**	**A3I1251 - 09 25 23 0956**

A3I1251
~~0900~~ 0844

Lead in Drinking Water Testing Program

Date Collected: 09/19/2023 PBS Project: 23440.173 / 0005

School Name: Evergreen Middle School

Building: Main Building - Room 615 Round 3 Building Number: 22391800

Analysis Requested: Lead (Pb) in Drinking Water

Email Results To: voeller@pbsusa.com Turnaround Time: Please RUSH

	Fixture Number	Sample Number	Location / Description
1	105	22391800-105KF23C	Room 615 prep station sinks - left to right (2) NE corner – First Draw
2	105	22391800-105KF23D	Room 615 prep station sinks - left to right (2) NE corner - Flush
3	109	22391800-109KF23C	Room 615 prep station sinks - left to right (6) SW corner – First Draw
4	109	22391800-109KF23D	Room 615 prep station sinks - left to right (6) SW corner - Flush
5			
6			
7			
8			
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13			
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16			
17			
18			
19			
20			

Relinquished By/Signature: _____ Date/Time: 9/20/23 ~~0925~~ 0915

Received By/Signature: _____ Date/Time: 9/20/23 0915

1 of 1

Apex Laboratories

Jason Woodcock, Project Manager

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ANALYTICAL REPORT

PBS Engineering and Environmental	Project: **Evergreen MS**	
4412 S Corbett Ave	Project Number: **23440.173**	**Report ID:**
Portland, OR 97239	Project Manager: **Dale Voeller**	**A3I1251 - 09 25 23 0956**

APEX LABS COOLER RECEIPT FORM

Client: PBS Element WO#: A3I1251

Project/Project #: Evergreen Middle School / 23440.173/0005

Delivery Info:

Date/time received: 9-20-23 @ 915 By: DJS

Delivered by: Apex__Client X ESS__FedEx__UPS__Radio__Morgan__SDS__Evergreen__Other__

Cooler Inspection Date/time inspected: 9-20-23 @ 915 By: DJS

Chain of Custody included? Yes X No _____

Signed/dated by client? Yes X No _____

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	21.6						
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? (Y/N) Possible reason why: Received without Ice, 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: 9/20/23 @ 12:37 By: KAM

All samples intact? Yes X No ___ Comments: _____

Bottle labels/COCs agree? Yes X No ___ Comments: _____

COC/container discrepancies form initiated? Yes ___ No X

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

Do VOA vials have visible headspace? Yes ___ No ___ NA X

Comments _____

Water samples: pH checked: Yes X No ___ NA ___ pH appropriate? Yes X No ___ NA ___ pH ID: 431172

Comments: _____

Additional information: _____

Labeled by: KAM Witness: DJS Cooler Inspected by: Client

Form Y-003 R-01

Apex Laboratories

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Jason Woodcock, Project Manager

Apex Laboratories, LLC
6700 S.W. Sandburg Street
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ORELAP ID: **OR100062**

ANALYTICAL REPORT

Wednesday, October 18, 2023

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

RE: A3J1308 - Evergreen MS - 23440.173/0005

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 A3J1308, which was received by the laboratory on 10/16/2023 at 10:08:00AM.

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 19.2 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

Jason Woodcock, Project Manager

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Apex Laboratories, LLC

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Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

PBS Engineering and Environmental	Project: **Evergreen MS**	
4412 S Corbett Ave	Project Number: **23440.173/0005**	**Report ID:**
Portland, OR 97239	Project Manager: **Dale Voeller**	**A3J1308 - 10 18 23 1551**

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
22391800-105KF23E	A3J1308-01	Drinking Water	10/14/23 00:00	10/16/23 10:08
22391800-105KF23F	A3J1308-02	Drinking Water	10/14/23 00:00	10/16/23 10:08
22391800-109KF23E	A3J1308-03	Drinking Water	10/14/23 00:00	10/16/23 10:08
22391800-109KF23F	A3J1308-04	Drinking Water	10/14/23 00:00	10/16/23 10:08

Apex Laboratories

Jason Woodcock, Project Manager

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ORELAP ID: **OR100062**

ANALYTICAL REPORT

PBS Engineering and Environmental	Project: **Evergreen MS**	
4412 S Corbett Ave	Project Number: **23440.173/0005**	**Report ID:**
Portland, OR 97239	Project Manager: **Dale Voeller**	**A3J1308 - 10 18 23 1551**

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
22391800-105KF23E (A3J1308-01)				**Matrix: Drinking Water**				
Batch: 23J0610								
Lead	**3.77**	---	0.200	ug/L	1	10/17/23 13:31	EPA 200.8	
22391800-105KF23F (A3J1308-02)				**Matrix: Drinking Water**				
Batch: 23J0610								
Lead	**0.781**	---	0.200	ug/L	1	10/17/23 13:36	EPA 200.8	
22391800-109KF23E (A3J1308-03)				**Matrix: Drinking Water**				
Batch: 23J0610								
Lead	**1.07**	---	0.200	ug/L	1	10/17/23 13:37	EPA 200.8	
22391800-109KF23F (A3J1308-04)				**Matrix: Drinking Water**				
Batch: 23J0610								
Lead	ND	---	0.200	ug/L	1	10/17/23 13:39	EPA 200.8	

Apex Laboratories

Jason Woodcock, Project Manager

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503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

PBS Engineering and Environmental	Project: **Evergreen MS**	
4412 S Corbett Ave	Project Number: **23440.173/0005**	**Report ID:**
Portland, OR 97239	Project Manager: **Dale Voeller**	**A3J1308 - 10 18 23 1551**

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 23J0610 - EPA 200.8 Direct Analysis											**Drinking Water**	
Blank (23J0610-BLK1)		Prepared: 10/17/23 07:11		Analyzed: 10/17/23 13:27								
EPA 200.8												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
LCS (23J0610-BS1)		Prepared: 10/17/23 07:11		Analyzed: 10/17/23 13:29								
EPA 200.8												
Lead	15.5	---	0.201	ug/L	1	15.0	---	103	85 - 115%	---	---	
Duplicate (23J0610-DUP1)		Prepared: 10/17/23 07:11		Analyzed: 10/17/23 13:32								
QC Source Sample: 22391800-105KF23E (A3J1308-01)												
EPA 200.8												
Lead	**3.67**	---	0.200	ug/L	1	---	3.77	---	---	3	20%	
Matrix Spike (23J0610-MS1)		Prepared: 10/17/23 07:11		Analyzed: 10/17/23 13:34								
QC Source Sample: 22391800-105KF23E (A3J1308-01)												
EPA 200.8												
Lead	18.5	---	0.201	ug/L	1	15.0	3.77	98	70 - 130%	---	---	

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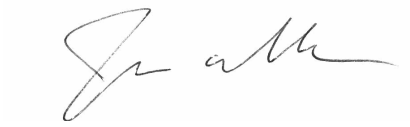

Jason Woodcock, Project Manager

Apex Laboratories, LLC
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503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

PBS Engineering and Environmental	Project: **Evergreen MS**	
4412 S Corbett Ave	Project Number: **23440.173/0005**	**Report ID:**
Portland, OR 97239	Project Manager: **Dale Voeller**	**A3J1308 - 10 18 23 1551**

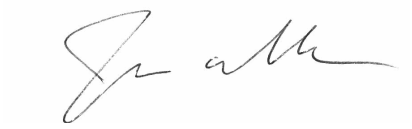
SAMPLE PREPARATION INFORMATION

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: 23J0610							
A3J1308-01	Drinking Water	EPA 200.8	10/14/23 00:00	10/17/23 07:11	10mL/10mL	10mL/10mL	1.00
A3J1308-02	Drinking Water	EPA 200.8	10/14/23 00:00	10/17/23 07:11	10mL/10mL	10mL/10mL	1.00
A3J1308-03	Drinking Water	EPA 200.8	10/14/23 00:00	10/17/23 07:11	10mL/10mL	10mL/10mL	1.00
A3J1308-04	Drinking Water	EPA 200.8	10/14/23 00:00	10/17/23 07:11	10mL/10mL	10mL/10mL	1.00

Apex Laboratories



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ANALYTICAL REPORT

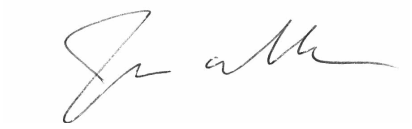
PBS Engineering and Environmental	Project: **Evergreen MS**	
4412 S Corbett Ave	Project Number: **23440.173/0005**	**Report ID:**
Portland, OR 97239	Project Manager: **Dale Voeller**	**A3J1308 - 10 18 23 1551**

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



Jason Woodcock, Project Manager

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ANALYTICAL REPORT

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4412 S Corbett Ave	Project Number: **23440.173/0005**	**Report ID:**
Portland, OR 97239	Project Manager: **Dale Voeller**	**A3J1308 - 10 18 23 1551**

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:

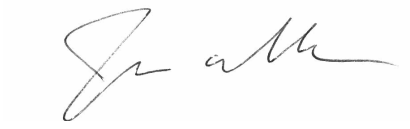
" --- " QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.

" *** " 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.

Apex Laboratories



Jason Woodcock, Project Manager

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503-718-2323
ORELAP ID: **OR100062**

PBS Engineering and Environmental	Project: **Evergreen MS**	
4412 S Corbett Ave	Project Number: **23440.173/0005**	**Report ID:**
Portland, OR 97239	Project Manager: **Dale Voeller**	**A3J1308 - 10 18 23 1551**

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:

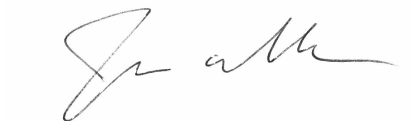
Certain regulatory programs, such as National Pollutant Discharge Elimination System (NPDES), require that activities such as sample filtration (for dissolved metals, orthophosphate, hexavalent chromium, etc.) and testing of short hold analytes (pH, Dissolved Oxygen, etc.) be performed in the field (on-site) 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.

Apex Laboratories



Jason Woodcock, Project Manager

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ANALYTICAL REPORT

PBS Engineering and Environmental	Project: **Evergreen MS**	
4412 S Corbett Ave	Project Number: **23440.173/0005**	**Report ID:**
Portland, OR 97239	Project Manager: **Dale Voeller**	**A3J1308 - 10 18 23 1551**

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.

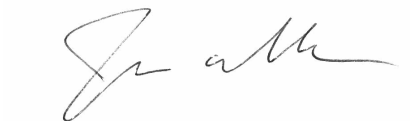
Subcontract Laboratory Accreditations

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 provded 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

PBS Engineering and Environmental	Project: **Evergreen MS**	
4412 S Corbett Ave	Project Number: **23440.173/0005**	**Report ID:**
Portland, OR 97239	Project Manager: **Dale Voeller**	**A3J1308 - 10 18 23 1551**

A3J1308

Lead in Drinking Water Testing Program

Date Collected: 10/14/23 PBS Project: 23440.173 / 0005

School Name: Evergreen Middle School

Building: Main Building - Room 615 Round 4 Building Number: 22391800

Analysis Requested: Lead (Pb) in Drinking Water

Email Results To: voeller@pbsusa.com Turnaround Time: Please RUSH

	Fixture Number	Sample Number	Location / Description
1	105	22391800-105KF23E	Room 615 prep station sinks - left to right (2) NE corner – First Draw
2	105	22391800-105KF23F	Room 615 prep station sinks - left to right (2) NE corner - Flush
3	109	22391800-109KF23E	Room 615 prep station sinks - left to right (6) SW corner – First Draw
4	109	22391800-109KF23F	Room 615 prep station sinks - left to right (6) SW corner - Flush
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Relinquished By/Signature: DQ Vlr Date/Time: 10/14/23 @ 3:45 PM

Received By/Signature: 10/16/23 10 08 APEX Date/Time:

1 of 1

Apex Laboratories

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Jason Woodcock, Project Manager

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ANALYTICAL REPORT

PBS Engineering and Environmental	Project: **Evergreen MS**	
4412 S Corbett Ave	Project Number: **23440.173/0005**	**Report ID:**
Portland, OR 97239	Project Manager: **Dale Voeller**	**A3J1308 - 10 18 23 1551**

APEX LABS COOLER RECEIPT FORM

Client: PBS Element WO#: A3J1308

Project/Project #: Evergreen Middle School / 23440.173/0005

Delivery Info:

Date/time received: 10-16-23 @ 1008 By: RK

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

Cooler Inspection Date/time inspected: 10-16-23 @ 1037 By: DJS

Chain of Custody included? Yes X No

Signed/dated by client? Yes X No

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	19.2						
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? (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: 10/16/23 @ 16:08 By: KAM

All samples intact? Yes X No ___ Comments: ___

Bottle labels/COCs agree? Yes X No ___ Comments: ___

COC/container discrepancies form initiated? Yes ___ No X

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

Do VOA vials have visible headspace? Yes ___ No ___ NA X

Comments ___

Water samples: pH checked: Yes X No ___ NA ___ pH appropriate? Yes X No ___ NA ___ pH ID: 423172

Comments: ___

Additional information: ___

Labeled by: KAM Witness: DJS Cooler Inspected by: KAM

Form Y-003 R-01 -

Apex Laboratories

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Jason Woodcock, Project Manager