



Reynolds School District  
Administration Offices  
1204 NE 201<sup>st</sup> Avenue  
Fairview, OR 97024  
503.661.7200 • FAX 503.667.6932

## Administration First Round Water Testing June 2016

Sample ID	RESULT	ug/L
ADMIN01	FAIL	141 ug/L
ADMIN02	FAIL	82.4 ug/L
ADMIN03	PASS	
ADMIN04	PASS	
ADMIN05	PASS	
ADMIN06	PASS	
ADMIN07	PASS	
ADMIN08	PASS	
ADMIN09	FAIL	24.4 ug/L
ADMIN10	TESTED BUT NOT POTABLE - RESULTS DEEMED UNNECESSARY	164 UG/L
ADMIN11	PASS	
ADMIN12	PASS	



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Administration Water Testing June 2016

Sampled By: Lawrence Spade

Sample ID	Location (Classroom# or Faucet Loc.)	Date
ADMIN01	Ops Shop R. Rm. sink Facilities Warehouse	0510 6/18/16
ADMIN02	IT conference Rm. sink IT warehouse	0514 "
ADMIN03	Water cooler - IT office IT Warehouse	0515 "
ADMIN04	Nutrition office cooler Nutrition WHS	0518 "
ADMIN05	" " Rest Room sink Nutrition WHS	0519 "
ADMIN 06	Admin lounge water cooler	0529 "
ADMIN 07	" " <del>Sink</del> Fridge	0531 "
ADMIN 08	" " Sink	0532 "
ADMIN 09	Build. A, Trans. lounge sink	0544 "
ADMIN 10	1 <sup>st</sup> garage bay sink	0546 "
ADMIN 11	Build D, Ops office sink	0551 "
ADMIN 12	Build. B, Bus Driver lounge - Sink	0555 "

# Apex Labs

12232 S.W. Garden Place  
Tigard, OR 97223  
503-718-2323 Phone  
503-718-0333 Fax

Thursday, June 30, 2016

Rich Dufresne  
PBS Engineering and Environmental  
4412 SW Corbett Ave  
Portland, OR 97239

RE: Reynolds School-Admin / Reynolds SD # 7/PR23514.022

Enclosed are the results of analyses for work order A6F0635, which was received by the laboratory on 6/21/2016 at 10:10:00AM.

Thank you for using Apex Labs. We appreciate your business and strive to provide the highest quality services to the environmental industry.

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

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Apex Laboratories



Lisa Domenighini, Client Services Manager

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**PBS Engineering and Environmental**

4412 SW Corbett Ave  
 Portland, OR 97239

Project: **Reynolds School-Admin**

Project Number: Reynolds SD # 7/PR23514.02  
 Project Manager: Rich Dufresne

**Reported:**

06/30/16 13:31

## ANALYTICAL REPORT FOR SAMPLES

### SAMPLE INFORMATION

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Admin01	A6F0635-01	Drinking Water	06/18/16 00:00	06/21/16 10:10
Admin02	A6F0635-02	Drinking Water	06/18/16 00:00	06/21/16 10:10
Admin03	A6F0635-03	Drinking Water	06/18/16 00:00	06/21/16 10:10
Admin04	A6F0635-04	Drinking Water	06/18/16 00:00	06/21/16 10:10
Admin05	A6F0635-05	Drinking Water	06/18/16 00:00	06/21/16 10:10
Admin06	A6F0635-06	Drinking Water	06/18/16 00:00	06/21/16 10:10
Admin07	A6F0635-07	Drinking Water	06/18/16 00:00	06/21/16 10:10
Admin08	A6F0635-08	Drinking Water	06/18/16 00:00	06/21/16 10:10
Admin09	A6F0635-09	Drinking Water	06/18/16 00:00	06/21/16 10:10
Admin10	A6F0635-10	Drinking Water	06/18/16 00:00	06/21/16 10:10
Admin11	A6F0635-11	Drinking Water	06/18/16 00:00	06/21/16 10:10
Admin12	A6F0635-12	Drinking Water	06/18/16 00:00	06/21/16 10:10

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**PBS Engineering and Environmental**  
 4412 SW Corbett Ave  
 Portland, OR 97239

Project: **Reynolds School-Admin**  
 Project Number: Reynolds SD # 7/PR23514.0  
 Project Manager: Rich Dufresne

Reported:  
 06/30/16 13:31

## ANALYTICAL SAMPLE RESULTS

### Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
<b>Admin01 (A6F0635-01)</b>			<b>Matrix: Drinking Water</b>					
Batch: 6060736								
Lead	141	---	0.200	ug/L	1	06/24/16 18:12	EPA 200.8	
<b>Admin02 (A6F0635-02)</b>			<b>Matrix: Drinking Water</b>					
Batch: 6060736								
Lead	82.4	---	0.200	ug/L	1	06/24/16 18:13	EPA 200.8	
<b>Admin03 (A6F0635-03)</b>			<b>Matrix: Drinking Water</b>					
Batch: 6060736								
Lead	ND	---	0.200	ug/L	1	06/24/16 18:15	EPA 200.8	
<b>Admin04 (A6F0635-04)</b>			<b>Matrix: Drinking Water</b>					
Batch: 6060736								
Lead	ND	---	0.200	ug/L	1	06/24/16 18:19	EPA 200.8	
<b>Admin05 (A6F0635-05)</b>			<b>Matrix: Drinking Water</b>					
Batch: 6060736								
Lead	1.71	---	0.200	ug/L	1	06/24/16 18:24	EPA 200.8	
<b>Admin06 (A6F0635-06)</b>			<b>Matrix: Drinking Water</b>					
Batch: 6060736								
Lead	0.600	---	0.200	ug/L	1	06/24/16 18:25	EPA 200.8	
<b>Admin07 (A6F0635-07)</b>			<b>Matrix: Drinking Water</b>					
Batch: 6060736								
Lead	ND	---	0.200	ug/L	1	06/24/16 18:27	EPA 200.8	
<b>Admin08 (A6F0635-08)</b>			<b>Matrix: Drinking Water</b>					
Batch: 6060736								
Lead	14.1	---	0.200	ug/L	1	06/24/16 18:30	EPA 200.8	
<b>Admin09 (A6F0635-09)</b>			<b>Matrix: Drinking Water</b>					
Batch: 6060825								
Lead	24.4	---	0.200	ug/L	1	06/28/16 16:54	EPA 200.8	
<b>Admin10 (A6F0635-10)</b>			<b>Matrix: Drinking Water</b>					
Batch: 6060825								
Lead	164	---	0.200	ug/L	1	06/28/16 16:55	EPA 200.8	
<b>Admin11 (A6F0635-11)</b>			<b>Matrix: Drinking Water</b>					
Batch: 6060825								
Lead	1.08	---	0.200	ug/L	1	06/28/16 17:07	EPA 200.8	
<b>Admin12 (A6F0635-12)</b>			<b>Matrix: Drinking Water</b>					

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**PBS Engineering and Environmental**  
 4412 SW Corbett Ave  
 Portland, OR 97239

Project: **Reynolds School-Admin**  
 Project Number: Reynolds SD # 7/PR23514.02  
 Project Manager: Rich Dufresne

**Reported:**  
 06/30/16 13:31

## ANALYTICAL SAMPLE RESULTS

### Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
<b>Admin12 (A6F0635-12)</b>			<b>Matrix: Drinking Water</b>					
Batch: 6060736								
<b>Lead</b>	<b>0.311</b>	---	0.200	ug/L	1	06/24/16 18:38	EPA 200.8	

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Lisa Domenighini, Client Services Manager

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 Portland, OR 97239

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 Project Manager: Rich Dufresne

**Reported:**  
 06/30/16 13:31

## QUALITY CONTROL (QC) SAMPLE RESULTS

### Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 6060736 - Matrix Matched Direct Inject</b>						<b>Drinking Water</b>						
<b>Blank (6060736-BLK1)</b>						Prepared: 06/24/16 11:24 Analyzed: 06/24/16 17:55						
<b>EPA 200.8</b>												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	---
<b>LCS (6060736-BS1)</b>						Prepared: 06/24/16 11:24 Analyzed: 06/24/16 17:56						
<b>EPA 200.8</b>												
Lead	15.8	---	0.200	ug/L	1	16.7	---	95	85-115%	---	---	---
<b>Batch 6060825 - EPA 3015A</b>						<b>Drinking Water</b>						
<b>Blank (6060825-BLK1)</b>						Prepared: 06/28/16 12:18 Analyzed: 06/28/16 16:49						
<b>EPA 200.8</b>												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	---
<b>LCS (6060825-BS1)</b>						Prepared: 06/28/16 12:18 Analyzed: 06/28/16 16:51						
<b>EPA 200.8</b>												
Lead	15.7	---	0.200	ug/L	1	16.7	---	94	85-115%	---	---	---
<b>Duplicate (6060825-DUP1)</b>						Prepared: 06/28/16 12:18 Analyzed: 06/28/16 16:59						
<b>QC Source Sample: Admin10 (A6F0635-10)</b>												
<b>EPA 200.8</b>												
Lead	164	---	0.200	ug/L	1	---	164	---	---	0.07	20%	---
<b>Matrix Spike (6060825-MS1)</b>						Prepared: 06/28/16 12:18 Analyzed: 06/28/16 17:15						
<b>QC Source Sample: Admin11 (A6F0635-11)</b>												
<b>EPA 200.8</b>												
Lead	16.9	---	0.200	ug/L	1	16.7	1.08	95	70-130%	---	---	---



**PBS Engineering and Environmental**

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 Portland, OR 97239

Project: **Reynolds School-Admin**

Project Number: Reynolds SD # 7/PR23514.02  
 Project Manager: Rich Dufresne

Reported:  
 06/30/16 13:31

**SAMPLE PREPARATION INFORMATION**

**Total Metals in Drinking Water by EPA 200.8 (ICPMS)**

**Prep: EPA 3015A**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<b>Batch: 6060825</b>							
A6F0635-09	Drinking Wa	EPA 200.8	06/18/16 00:00	06/28/16 12:18	45mL/50mL	45mL/50mL	1.00
A6F0635-10	Drinking Wa	EPA 200.8	06/18/16 00:00	06/28/16 12:18	45mL/50mL	45mL/50mL	1.00
A6F0635-11	Drinking Wa	EPA 200.8	06/18/16 00:00	06/28/16 12:18	45mL/50mL	45mL/50mL	1.00

**Prep: Matrix Matched Direct Inject**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<b>Batch: 6060736</b>							
A6F0635-01	Drinking Wa	EPA 200.8	06/18/16 00:00	06/24/16 11:24	45mL/50mL	45mL/50mL	1.00
A6F0635-02	Drinking Wa	EPA 200.8	06/18/16 00:00	06/24/16 11:24	45mL/50mL	45mL/50mL	1.00
A6F0635-03	Drinking Wa	EPA 200.8	06/18/16 00:00	06/24/16 11:24	45mL/50mL	45mL/50mL	1.00
A6F0635-04	Drinking Wa	EPA 200.8	06/18/16 00:00	06/24/16 11:24	45mL/50mL	45mL/50mL	1.00
A6F0635-05	Drinking Wa	EPA 200.8	06/18/16 00:00	06/24/16 11:24	45mL/50mL	45mL/50mL	1.00
A6F0635-06	Drinking Wa	EPA 200.8	06/18/16 00:00	06/24/16 11:24	45mL/50mL	45mL/50mL	1.00
A6F0635-07	Drinking Wa	EPA 200.8	06/18/16 00:00	06/24/16 11:24	45mL/50mL	45mL/50mL	1.00
A6F0635-08	Drinking Wa	EPA 200.8	06/18/16 00:00	06/24/16 11:24	45mL/50mL	45mL/50mL	1.00
A6F0635-12	Drinking Wa	EPA 200.8	06/18/16 00:00	06/24/16 11:24	45mL/50mL	45mL/50mL	1.00

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Reported:  
06/30/16 13:31

## Notes and Definitions

### Qualifiers:

### Notes and Conventions:

- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis. Results listed as 'wet' or without 'dry' designation are not dry weight corrected.
- RPD Relative Percent Difference
- MDL If MDL is not listed, data has been evaluated to the Method Reporting Limit only.
- WMSC Water Miscible Solvent Correction has been applied to Results and MRLs for volatiles soil samples per EPA 8000C.
- Batch QC Unless specifically requested, this report contains only results for Batch QC derived from client samples included in this report. All analyses were performed with the appropriate Batch QC (including Sample Duplicates, Matrix Spikes and/or Matrix Spike Duplicates) in order to meet or exceed method and regulatory requirements. Any exceptions to this will be qualified in this report. Complete Batch QC results are available upon request. In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) is analyzed to demonstrate accuracy and precision of the extraction and analysis.
- Blank Policy Apex assesses blank data for potential high bias down to a level equal to 1/2 the method reporting limit (MRL), except for conventional chemistry and HCID analyses which are assessed only to the MRL. Sample results flagged with a B or B-02 qualifier are potentially biased high if they 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.
- For accurate comparison of volatile results to the level found in the blank; water sample results should be divided by the dilution factor, and soil sample results should be divided by 1/50 of the sample dilution to account for the sample prep factor.
- Results qualified as reported below the MRL may include a potential high bias if associated with a B or B-02 qualified blank. B and B-02 qualifications are not applied to J qualified results reported below the MRL.
- 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: **Reynolds School-Admin**  
Project Number: Reynolds SD # 7/PR23514.0;  
Project Manager: Rich Dufresne

Reported:  
06/30/16 13:31

**CHAIN OF CUSTODY**

Lab # AF0635 of      coc

**APEX LABS**      **PBS**

12232 S.W. Garden Place, Tigard, OR 97223 Ph: 503-718-2323 Fax: 503-718-0333

Company: **PBS**      Project Mgr: Reynolds SD # 7      Project Name: Reynolds SD # 7      Project #/PO# Re23514.022  
4412 SW Corbett Ave, Portland, OR 97239      Phone: (503) 248-1939      Fax: aglor@rsd7.net      Email: aglor@rsd7.net

Sampled by: Mary Spangler

SAMPLE ID	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	200g Lead
Admin 01		6-8	0510	DW	1	
02		0514			1	
03		0515			1	
04		0518			1	
05		0519			1	
06		0519			1	
07		0531			1	
08		0531			1	
09		0544			1	
10		0516			1	

Normal Turn Around Time (TAT) 10 Business Days

TAT Requested (circle)      1 DAY      2 DAY      3 DAY      4 DAY      5 DAY      Other: \_\_\_\_\_

**RELINQUISHED BY:**  
Signature: Mary Spangler      Date: 6-2-16  
Printed Name: Mary Spangler      Time: 1:00  
Company: ES

**RECEIVED BY:**  
Signature: [Signature]      Date: 6/30/16  
Printed Name: [Name]      Time: 10:10  
Company: APEX

**SPECIAL INSTRUCTIONS:**

**RECEIVED BY:**  
Signature: \_\_\_\_\_      Date: \_\_\_\_\_  
Printed Name: \_\_\_\_\_      Time: \_\_\_\_\_  
Company: \_\_\_\_\_

**RELINQUISHED BY:**  
Signature: \_\_\_\_\_      Date: \_\_\_\_\_  
Printed Name: \_\_\_\_\_      Time: \_\_\_\_\_  
Company: \_\_\_\_\_

Apex Laboratories

*Lisa Domenighini*

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