



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

### Woodland First Round Water Testing June 2016

Sample ID	RESULT	ug/L
WDL01	FAIL	45.7 ug/L
WDL02	FAIL	30.4 ug/L
WDL03	FAIL	222 ug/L
WDL04	FAIL	44.2 ug/L
WDL05	PASS	
WDL06	FAIL	451 ug/L
WDL07	FAIL	43.5 ug/L
WDL08	FAIL	355 ug/L
WDL09	FAIL	216 ug/L
WDL10	FAIL	29.2 ug/L
WDL11	FAIL	290 ug/L
WDL12	FAIL	126 ug/L
WDL13	FAIL	38.3 ug/L
WDL14	FAIL	533 ug/L
WDL15	FAIL	291 ug/L



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Sample ID	RESULT	ug/L
WDL16	PASS	
WDL17	PASS	
WDL18	FAIL	23.7 ug/L
WDL19	FAIL	56.3 ug/L
WDL20	PASS	
WDL21	NON-POTABLE DISHWASHER RINSE SINK IN KITCHEN	
WDL22	FAIL	79.2 ug/L
WDL23	PASS	
WDL24	FAIL	79.2 ug/L
WDL25	FAIL	531 ug/L
WDL26	PASS	
WDL27	PASS	
WDL28	PASS	
WDL29	PASS	
WDL30	FAIL	327 ug/L



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Sample ID	RESULT	ug/L
WDL31	FAIL	21.4 ug/L
WDL32	FAIL	89.4 ug/L
WDL33	FAIL	712 ug/L
WDL34	FAIL	148 ug/L
WDL35	FAIL	359 ug/L
WDL36	FAIL	586 ug/L
WDL37	FAIL	336 ug/L
WDL38	FAIL	580 ug/L
WDL39	FAIL	256 ug/L
WDL40	PASS	
WDL41	<b>BOTTLES NOT USED</b>	
WDL42		
WDL43		
WDL44		
WDL45		



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### Woodland Water Testing June 2016

Sampled By: Diane Spanglin 06/16/16

Sample ID	Location (Classroom# or Faucet Loc.)	Date
WDL01	Room 207 Drinking Fountain	6/15/16 23:14
WDL02	Upstairs Hall by Elevator Left/Tall Drinking Fountain	6/15/16 23:18
WDL03	Upstairs Hall by elevator Right/Short Drinking Fountain	6/15/16 23:19
WDL04	Room 208 Drinking Fountain	6/15/16 23:24
WDL05	Room 209 Drinking Fountain	6/15/16 23:27
WDL06	Room 210 Drinking Fountain	6/15/16 23:30
WDL07	Room 211 Drinking Fountain	6/15/16 23:33
WDL08	Room 212 Drinking Fountain	6/15/16 23:36
WDL09	Room 213 Drinking Fountain	6/15/16 23:40
WDL10	Room 214 Drinking Fountain	6/15/16 23:43
WDL11	Room 215 Drinking Fountain	6/15/16 23:45
WDL12	Room 101 Drinking Fountain	6/15/16 23:54
WDL13	Room 102 Drinking Fountain	6/15/16 23:54
WDL14	Room 103 Drinking Fountain	6/15/16 23:58
WDL15	Room 104 Drinking Fountain	6/16/16 00:02

**Woodland Water Testing June 2016**

Sampled By: Lawrence Spender

Sample ID	Location (Classroom# or Faucet Loc.)		Date
WDL16	Café drinking fountain - tall	2311	6/15/16
WDL17	" " " " - short	2314	"
WDL18	Kitchen Preparation sink? faucet	2317	"
WDL19	" Double deep sink faucet	2318	"
WDL20	Dishwasher sink	2321	"
WDL21	Tray slot (window) rinse sink	2323	"
WDL22	Gym fountain - tall drinking	2326	"
WDL23	" " - short " " "	2328	"
WDL24	Arts n' Crafts - sink fountain	2332	"
WDL25	Work Rm - offices sink fountain	2337	"
WDL26	Break Room - Water cooler - city water	2340	"
WDL27	<del>Sink</del> " - Sink	2341	"
WDL28	Down stair Water fountain - tall	2344	"
WDL29	" " " " - short	2346	"
WDL30	Rm 107 Sink fountain	2348	"



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Woodland Water Testing June 2016

Sampled By: Laurence Spangler

Sample ID	Location (Classroom# or Faucet Loc.)			Date
WDL31	Rm 108	Sink Fountain	2352	6/15/16
WDL32	Rm 109	" "	2355	"
WDL33	Rm 110	" "	2359	"
WDL34	Rm 111	" "	0000	6/16/16
WDL35	Rm 112	" "	0002	"
WDL36	Rm 113	" "	0005	"
WDL37	Rm 114	" "	0007	"
WDL38	Rm 115	" "	0011	"
WDL39	Rm 106	" "	0013	"
WDL40	Rm 105	" "	0015	"
WDL41				
WDL42				
WDL43				
WDL44				
WDL45				

# Apex Labs

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

Wednesday, August 3, 2016

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

RE: Reynolds School-Woodland / Reynolds SD #7 / PR23514.

Enclosed are the results of analyses for work order A6F0744, 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



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Lisa Domenighini, Client Services Manager

**PBS Engineering and Environmental**

4412 SW Corbett Ave  
 Portland, OR 97239

Project: **Reynolds School-Woodland**

Project Number: Reynolds SD #7 / PR23514.0  
 Project Manager: Rich Dufresne

Reported:  
 08/03/16 20:16

## ANALYTICAL REPORT FOR SAMPLES

### SAMPLE INFORMATION

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WDL 01	A6F0744-01	Drinking Water	06/15/16 00:00	06/21/16 10:10
WDL 02	A6F0744-02	Drinking Water	06/15/16 00:00	06/21/16 10:10
WDL 03	A6F0744-03	Drinking Water	06/15/16 00:00	06/21/16 10:10
WDL 04	A6F0744-04	Drinking Water	06/15/16 00:00	06/21/16 10:10
WDL 05	A6F0744-05	Drinking Water	06/15/16 00:00	06/21/16 10:10
WDL 06	A6F0744-06	Drinking Water	06/15/16 00:00	06/21/16 10:10
WDL 07	A6F0744-07	Drinking Water	06/15/16 00:00	06/21/16 10:10
WDL 08	A6F0744-08	Drinking Water	06/15/16 00:00	06/21/16 10:10
WDL 09	A6F0744-09	Drinking Water	06/15/16 00:00	06/21/16 10:10
WDL 10	A6F0744-10	Drinking Water	06/15/16 00:00	06/21/16 10:10
WDL 11	A6F0744-11	Drinking Water	06/13/16 00:00	06/21/16 10:10
WDL 12	A6F0744-12	Drinking Water	06/13/16 00:00	06/21/16 10:10
WDL 13	A6F0744-13	Drinking Water	06/13/16 00:00	06/21/16 10:10
WDL 14	A6F0744-14	Drinking Water	06/13/16 00:00	06/21/16 10:10
WDL 15	A6F0744-15	Drinking Water	06/13/16 00:00	06/21/16 10:10
WDL 16	A6F0744-16	Drinking Water	06/15/16 00:00	06/21/16 10:10
WDL 17	A6F0744-17	Drinking Water	06/15/16 00:00	06/21/16 10:10
WDL 18	A6F0744-18	Drinking Water	06/15/16 00:00	06/21/16 10:10
WDL 19	A6F0744-19	Drinking Water	06/15/16 00:00	06/21/16 10:10
WDL 20	A6F0744-20	Drinking Water	06/15/16 00:00	06/21/16 10:10
WDL 21	A6F0744-21	Drinking Water	06/15/16 00:00	06/21/16 10:10
WDL 22	A6F0744-22	Drinking Water	06/15/16 00:00	06/21/16 10:10
WDL 23	A6F0744-23	Drinking Water	06/15/16 00:00	06/21/16 10:10
WDL 24	A6F0744-24	Drinking Water	06/15/16 00:00	06/21/16 10:10
WDL 25	A6F0744-25	Drinking Water	06/15/16 00:00	06/21/16 10:10
WDL 26	A6F0744-26	Drinking Water	06/15/16 00:00	06/21/16 10:10
WDL 27	A6F0744-27	Drinking Water	06/15/16 00:00	06/21/16 10:10
WDL 28	A6F0744-28	Drinking Water	06/15/16 00:00	06/21/16 10:10
WDL 29	A6F0744-29	Drinking Water	06/15/16 00:00	06/21/16 10:10
WDL 30	A6F0744-30	Drinking Water	06/15/16 00:00	06/21/16 10:10
WDL 31	A6F0744-31	Drinking Water	06/15/16 00:00	06/21/16 10:10
WDL 32	A6F0744-32	Drinking Water	06/15/16 00:00	06/21/16 10:10
WDL 33	A6F0744-33	Drinking Water	06/15/16 00:00	06/21/16 10:10
WDL 34	A6F0744-34	Drinking Water	06/15/16 00:00	06/21/16 10:10
WDL 35	A6F0744-35	Drinking Water	06/15/16 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-Woodland**

Project Number: Reynolds SD #7 / PR23514.0  
Project Manager: Rich Dufresne

**Reported:**  
08/03/16 20:16

## ANALYTICAL REPORT FOR SAMPLES

### SAMPLE INFORMATION

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WDL 36	A6F0744-36	Drinking Water	06/15/16 00:00	06/21/16 10:10
WDL 37	A6F0744-37	Drinking Water	06/15/16 00:00	06/21/16 10:10
WDL 38	A6F0744-38	Drinking Water	06/15/16 00:00	06/21/16 10:10
WDL 39	A6F0744-39	Drinking Water	06/15/16 00:00	06/21/16 10:10
WDL 40	A6F0744-40	Drinking Water	06/15/16 00:00	06/21/16 10:10

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Lisa Domenighini, Client Services Manager

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 Project Number: Reynolds SD #7 / PR23514.0  
 Project Manager: Rich Dufresne

**Reported:**  
 08/03/16 20:16

## 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>WDL 01 (A6F0744-01) Matrix: Drinking Water</b>								
Batch: 6070174								
Lead	45.7	---	0.200	ug/L	1	07/07/16 18:22	EPA 200.8	
<b>WDL 02 (A6F0744-02) Matrix: Drinking Water</b>								
Batch: 6070840								
Lead	30.4	---	0.200	ug/L	1	07/29/16 13:55	EPA 200.8	DW-D
<b>WDL 03 (A6F0744-03) Matrix: Drinking Water</b>								
Batch: 6070840								
Lead	222	---	0.200	ug/L	1	07/29/16 13:57	EPA 200.8	DW-D
<b>WDL 04 (A6F0744-04) Matrix: Drinking Water</b>								
Batch: 6070840								
Lead	44.2	---	0.200	ug/L	1	07/29/16 13:59	EPA 200.8	DW-D
<b>WDL 05 (A6F0744-05) Matrix: Drinking Water</b>								
Batch: 6070174								
Lead	14.8	---	0.200	ug/L	1	07/07/16 18:24	EPA 200.8	
<b>WDL 06 (A6F0744-06) Matrix: Drinking Water</b>								
Batch: 6070840								
Lead	451	---	0.200	ug/L	1	07/29/16 14:01	EPA 200.8	DW-D
<b>WDL 07 (A6F0744-07) Matrix: Drinking Water</b>								
Batch: 6070175								
Lead	43.5	---	0.200	ug/L	1	07/07/16 16:34	EPA 200.8	
<b>WDL 08 (A6F0744-08) Matrix: Drinking Water</b>								
Batch: 6070840								
Lead	355	---	0.200	ug/L	1	07/29/16 14:03	EPA 200.8	DW-D
<b>WDL 09 (A6F0744-09) Matrix: Drinking Water</b>								
Batch: 6070840								
Lead	216	---	0.200	ug/L	1	07/29/16 14:05	EPA 200.8	DW-D
<b>WDL 10 (A6F0744-10) Matrix: Drinking Water</b>								
Batch: 6070175								
Lead	29.2	---	0.200	ug/L	1	07/07/16 16:36	EPA 200.8	
<b>WDL 11 (A6F0744-11) Matrix: Drinking Water</b>								
Batch: 6070840								
Lead	290	---	0.200	ug/L	1	07/29/16 14:07	EPA 200.8	DW-D
<b>WDL 12 (A6F0744-12) Matrix: Drinking Water</b>								

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 Project Manager: Rich Dufresne

**Reported:**  
 08/03/16 20:16

## 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>WDL 12 (A6F0744-12) Matrix: Drinking Water</b>								
Batch: 6070840								
Lead	126	---	0.200	ug/L	1	07/29/16 14:09	EPA 200.8	DW-D
<b>WDL 13 (A6F0744-13) Matrix: Drinking Water</b>								
Batch: 6070175								
Lead	38.3	---	0.200	ug/L	1	07/07/16 16:38	EPA 200.8	
<b>WDL 14 (A6F0744-14RE1) Matrix: Drinking Water</b>								
Batch: 6070840								
Lead	533	---	2.00	ug/L	10	07/29/16 17:54	EPA 200.8	DW-D
<b>WDL 15 (A6F0744-15) Matrix: Drinking Water</b>								
Batch: 6070841								
Lead	291	---	0.200	ug/L	1	07/29/16 15:46	EPA 200.8	DW-D
<b>WDL 16 (A6F0744-16) Matrix: Drinking Water</b>								
Batch: 6070175								
Lead	ND	---	0.200	ug/L	1	07/07/16 16:42	EPA 200.8	
<b>WDL 17 (A6F0744-17) Matrix: Drinking Water</b>								
Batch: 6070175								
Lead	ND	---	0.200	ug/L	1	07/07/16 16:46	EPA 200.8	
<b>WDL 18 (A6F0744-18) Matrix: Drinking Water</b>								
Batch: 6070175								
Lead	23.7	---	0.200	ug/L	1	07/07/16 16:52	EPA 200.8	
<b>WDL 19 (A6F0744-19) Matrix: Drinking Water</b>								
Batch: 6070841								
Lead	56.3	---	0.200	ug/L	1	07/29/16 15:48	EPA 200.8	DW-D
<b>WDL 20 (A6F0744-20) Matrix: Drinking Water</b>								
Batch: 6070175								
Lead	0.931	---	0.200	ug/L	1	07/07/16 16:54	EPA 200.8	
<b>WDL 21 (A6F0744-21) Matrix: Drinking Water</b>								
Batch: 6070175								
Lead	27.9	---	0.200	ug/L	1	07/07/16 16:56	EPA 200.8	
<b>WDL 22 (A6F0744-22) Matrix: Drinking Water</b>								
Batch: 6070841								
Lead	79.2	---	0.200	ug/L	1	07/29/16 15:50	EPA 200.8	DW-D
<b>WDL 23 (A6F0744-23) Matrix: Drinking Water</b>								

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Project: **Reynolds School-Woodland**

Project Number: Reynolds SD #7 / PR23514.0  
Project Manager: Rich Dufresne

**Reported:**

08/03/16 20:16

## 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>WDL 23 (A6F0744-23) Matrix: Drinking Water</b>								
Batch: 6070175								
Lead	12.4	---	0.200	ug/L	1	07/07/16 16:58	EPA 200.8	
<b>WDL 24 (A6F0744-24) Matrix: Drinking Water</b>								
Batch: 6070841								
Lead	175	---	0.200	ug/L	1	07/29/16 15:54	EPA 200.8	DW-D
<b>WDL 25 (A6F0744-25RE1) Matrix: Drinking Water</b>								
Batch: 6070841								
Lead	531	---	2.00	ug/L	10	07/29/16 18:06	EPA 200.8	DW-D
<b>WDL 26 (A6F0744-26) Matrix: Drinking Water</b>								
Batch: 6070175								
Lead	ND	---	0.200	ug/L	1	07/07/16 17:00	EPA 200.8	
<b>WDL 27 (A6F0744-27) Matrix: Drinking Water</b>								
Batch: 6070175								
Lead	10.2	---	0.200	ug/L	1	07/07/16 17:02	EPA 200.8	
<b>WDL 28 (A6F0744-28) Matrix: Drinking Water</b>								
Batch: 6070175								
Lead	5.39	---	0.200	ug/L	1	07/07/16 17:04	EPA 200.8	
<b>WDL 29 (A6F0744-29) Matrix: Drinking Water</b>								
Batch: 6070175								
Lead	6.74	---	0.200	ug/L	1	07/07/16 17:06	EPA 200.8	
<b>WDL 30 (A6F0744-30) Matrix: Drinking Water</b>								
Batch: 6070841								
Lead	327	---	0.200	ug/L	1	07/29/16 16:04	EPA 200.8	DW-D
<b>WDL 31 (A6F0744-31) Matrix: Drinking Water</b>								
Batch: 6070841								
Lead	21.4	---	0.200	ug/L	1	07/29/16 16:06	EPA 200.8	DW-D
<b>WDL 32 (A6F0744-32) Matrix: Drinking Water</b>								
Batch: 6070841								
Lead	89.4	---	0.200	ug/L	1	07/29/16 16:08	EPA 200.8	DW-D
<b>WDL 33 (A6F0744-33RE1) Matrix: Drinking Water</b>								
Batch: 6070841								
Lead	712	---	2.00	ug/L	10	07/29/16 18:08	EPA 200.8	DW-D
<b>WDL 34 (A6F0744-34) Matrix: Drinking Water</b>								

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 Project Manager: Rich Dufresne

**Reported:**  
 08/03/16 20:16

## 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>WDL 34 (A6F0744-34) Matrix: Drinking Water</b>								
Batch: 6070841								
Lead	148	---	0.200	ug/L	1	07/29/16 16:12	EPA 200.8	DW-D
<b>WDL 35 (A6F0744-35) Matrix: Drinking Water</b>								
Batch: 6070175								
Lead	359	---	0.200	ug/L	1	07/07/16 17:08	EPA 200.8	
<b>WDL 36 (A6F0744-36RE1) Matrix: Drinking Water</b>								
Batch: 6070841								
Lead	586	---	2.00	ug/L	10	07/29/16 18:14	EPA 200.8	DW-D
<b>WDL 37 (A6F0744-37) Matrix: Drinking Water</b>								
Batch: 6070841								
Lead	336	---	0.200	ug/L	1	07/29/16 16:16	EPA 200.8	DW-D
<b>WDL 38 (A6F0744-38RE1) Matrix: Drinking Water</b>								
Batch: 6070841								
Lead	580	---	2.00	ug/L	10	07/29/16 18:16	EPA 200.8	DW-D
<b>WDL 39 (A6F0744-39) Matrix: Drinking Water</b>								
Batch: 6070841								
Lead	256	---	0.200	ug/L	1	07/29/16 16:25	EPA 200.8	DW-D
<b>WDL 40 (A6F0744-40) Matrix: Drinking Water</b>								
Batch: 6070175								
Lead	8.23	---	0.200	ug/L	1	07/07/16 17:11	EPA 200.8	

Apex Laboratories



Lisa Domenighini, Client Services Manager

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4412 SW Corbett Ave  
Portland, OR 97239

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

**Reported:**  
08/03/16 20:16

## 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 6070174 - Matrix Matched Direct Inject</b>						<b>Drinking Water</b>						
<b>Blank (6070174-BLK1)</b>						Prepared: 07/07/16 15:13 Analyzed: 07/07/16 17:29						
<b>EPA 200.8</b>												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	---
<b>LCS (6070174-BS1)</b>						Prepared: 07/07/16 15:13 Analyzed: 07/07/16 17:31						
<b>EPA 200.8</b>												
Lead	16.4	---	0.200	ug/L	1	16.7	---	99	85-115%	---	---	---
<b>Matrix Spike (6070174-MS2)</b>						Prepared: 07/07/16 15:13 Analyzed: 07/07/16 18:43						
<b>QC Source Sample: WDL 05 (A6F0744-05)</b>												
<b>EPA 200.8</b>												
Lead	31.8	---	0.200	ug/L	1	16.7	14.8	102	70-130%	---	---	---
<b>Batch 6070175 - Matrix Matched Direct Inject</b>						<b>Drinking Water</b>						
<b>Blank (6070175-BLK1)</b>						Prepared: 07/07/16 15:15 Analyzed: 07/07/16 16:28						
<b>EPA 200.8</b>												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	---
<b>LCS (6070175-BS1)</b>						Prepared: 07/07/16 15:15 Analyzed: 07/07/16 16:31						
<b>EPA 200.8</b>												
Lead	16.4	---	0.200	ug/L	1	16.7	---	98	85-115%	---	---	---
<b>Duplicate (6070175-DUP1)</b>						Prepared: 07/07/16 15:15 Analyzed: 07/07/16 16:40						
<b>QC Source Sample: WDL 13 (A6F0744-13)</b>												
<b>EPA 200.8</b>												
Lead	38.6	---	0.200	ug/L	1	---	38.3	---	---	0.7	20%	---
<b>Matrix Spike (6070175-MS1)</b>						Prepared: 07/07/16 15:15 Analyzed: 07/07/16 16:44						
<b>QC Source Sample: WDL 16 (A6F0744-16)</b>												
<b>EPA 200.8</b>												
Lead	16.3	---	0.200	ug/L	1	16.7	0.118	97	70-130%	---	---	---

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Lisa Domenighini, Client Services Manager

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

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

**Reported:**  
 08/03/16 20:16

## 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 6070840 - EPA 3015A</b>						<b>Drinking Water</b>						
<b>Blank (6070840-BLK1)</b>						Prepared: 07/27/16 15:37 Analyzed: 07/29/16 13:16						
<b>EPA 200.8</b>												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
<b>LCS (6070840-BS1)</b>						Prepared: 07/27/16 15:37 Analyzed: 07/29/16 13:18						
<b>EPA 200.8</b>												
Lead	16.5	---	0.200	ug/L	1	16.7	---	99	85-115%	---	---	
<b>Matrix Spike (6070840-MS4)</b>						Prepared: 07/27/16 15:37 Analyzed: 07/29/16 17:56						
<b>QC Source Sample: WDL 14 (A6F0744-14RE1)</b>												
<b>EPA 200.8</b>												
Lead	575	---	2.00	ug/L	10	16.7	533	254	70-130%	---	---	Q-03, Q-16



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

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

**Reported:**  
 08/03/16 20:16

## 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 6070841 - EPA 3015A</b>						<b>Drinking Water</b>						
<b>Blank (6070841-BLK1)</b>						Prepared: 07/27/16 15:39 Analyzed: 07/29/16 15:42						
<b>EPA 200.8</b>												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	---
<b>LCS (6070841-BS1)</b>						Prepared: 07/27/16 15:39 Analyzed: 07/29/16 15:44						
<b>EPA 200.8</b>												
Lead	17.4	---	0.200	ug/L	1	16.7	---	105	85-115%	---	---	---
<b>Duplicate (6070841-DUP1)</b>						Prepared: 07/27/16 15:39 Analyzed: 07/29/16 15:52						
<b>QC Source Sample: WDL 22 (A6F0744-22)</b>												
<b>EPA 200.8</b>												
Lead	77.8	---	0.200	ug/L	1	---	79.2	---	---	2	20%	---
<b>Matrix Spike (6070841-MS1)</b>						Prepared: 07/27/16 15:39 Analyzed: 07/29/16 16:00						
<b>QC Source Sample: WDL 24 (A6F0744-24)</b>												
<b>EPA 200.8</b>												
Lead	194	---	0.200	ug/L	1	16.7	175	115	70-130%	---	---	---



**PBS Engineering and Environmental**

4412 SW Corbett Ave  
Portland, OR 97239

Project: **Reynolds School-Woodland**

Project Number: Reynolds SD #7 / PR23514.0  
Project Manager: Rich Dufresne

Reported:

08/03/16 20:16

## 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: 6070840</b>							
A6F0744-02	Drinking Wa	EPA 200.8	06/15/16 00:00	07/27/16 15:37	45mL/50mL	45mL/50mL	1.00
A6F0744-03	Drinking Wa	EPA 200.8	06/15/16 00:00	07/27/16 15:37	45mL/50mL	45mL/50mL	1.00
A6F0744-04	Drinking Wa	EPA 200.8	06/15/16 00:00	07/27/16 15:37	45mL/50mL	45mL/50mL	1.00
A6F0744-06	Drinking Wa	EPA 200.8	06/15/16 00:00	07/27/16 15:37	45mL/50mL	45mL/50mL	1.00
A6F0744-08	Drinking Wa	EPA 200.8	06/15/16 00:00	07/27/16 15:37	45mL/50mL	45mL/50mL	1.00
A6F0744-09	Drinking Wa	EPA 200.8	06/15/16 00:00	07/27/16 15:37	45mL/50mL	45mL/50mL	1.00
A6F0744-11	Drinking Wa	EPA 200.8	06/13/16 00:00	07/27/16 15:37	45mL/50mL	45mL/50mL	1.00
A6F0744-12	Drinking Wa	EPA 200.8	06/13/16 00:00	07/27/16 15:37	45mL/50mL	45mL/50mL	1.00
A6F0744-14RE1	Drinking Wa	EPA 200.8	06/13/16 00:00	07/27/16 15:37	45mL/50mL	45mL/50mL	1.00

**Batch: 6070841**

A6F0744-15	Drinking Wa	EPA 200.8	06/13/16 00:00	07/27/16 15:39	45mL/50mL	45mL/50mL	1.00
A6F0744-19	Drinking Wa	EPA 200.8	06/15/16 00:00	07/27/16 15:39	45mL/50mL	45mL/50mL	1.00
A6F0744-22	Drinking Wa	EPA 200.8	06/15/16 00:00	07/27/16 15:39	45mL/50mL	45mL/50mL	1.00
A6F0744-24	Drinking Wa	EPA 200.8	06/15/16 00:00	07/27/16 15:39	45mL/50mL	45mL/50mL	1.00
A6F0744-25RE1	Drinking Wa	EPA 200.8	06/15/16 00:00	07/27/16 15:39	45mL/50mL	45mL/50mL	1.00
A6F0744-30	Drinking Wa	EPA 200.8	06/15/16 00:00	07/27/16 15:39	45mL/50mL	45mL/50mL	1.00
A6F0744-31	Drinking Wa	EPA 200.8	06/15/16 00:00	07/27/16 15:39	45mL/50mL	45mL/50mL	1.00
A6F0744-32	Drinking Wa	EPA 200.8	06/15/16 00:00	07/27/16 15:39	45mL/50mL	45mL/50mL	1.00
A6F0744-33RE1	Drinking Wa	EPA 200.8	06/15/16 00:00	07/27/16 15:39	45mL/50mL	45mL/50mL	1.00
A6F0744-34	Drinking Wa	EPA 200.8	06/15/16 00:00	07/27/16 15:39	45mL/50mL	45mL/50mL	1.00
A6F0744-36RE1	Drinking Wa	EPA 200.8	06/15/16 00:00	07/27/16 15:39	45mL/50mL	45mL/50mL	1.00
A6F0744-37	Drinking Wa	EPA 200.8	06/15/16 00:00	07/27/16 15:39	45mL/50mL	45mL/50mL	1.00
A6F0744-38RE1	Drinking Wa	EPA 200.8	06/15/16 00:00	07/27/16 15:39	45mL/50mL	45mL/50mL	1.00
A6F0744-39	Drinking Wa	EPA 200.8	06/15/16 00:00	07/27/16 15:39	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: 6070174</b>							
A6F0744-01	Drinking Wa	EPA 200.8	06/15/16 00:00	07/07/16 15:13	45mL/50mL	45mL/50mL	1.00
A6F0744-05	Drinking Wa	EPA 200.8	06/15/16 00:00	07/07/16 15:13	45mL/50mL	45mL/50mL	1.00

**Batch: 6070175**

A6F0744-07	Drinking Wa	EPA 200.8	06/15/16 00:00	07/07/16 15:15	45mL/50mL	45mL/50mL	1.00
A6F0744-10	Drinking Wa	EPA 200.8	06/15/16 00:00	07/07/16 15:15	45mL/50mL	45mL/50mL	1.00
A6F0744-13	Drinking Wa	EPA 200.8	06/13/16 00:00	07/07/16 15:15	45mL/50mL	45mL/50mL	1.00

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**PBS Engineering and Environmental**

4412 SW Corbett Ave  
 Portland, OR 97239

Project: **Reynolds School-Woodland**

Project Number: Reynolds SD #7 / PR23514.0  
 Project Manager: Rich Dufresne

Reported:

08/03/16 20:16

**SAMPLE PREPARATION INFORMATION**

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

**Prep: Matrix Matched Direct Inject**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A6F0744-16	Drinking Wa	EPA 200.8	06/15/16 00:00	07/07/16 15:15	45mL/50mL	45mL/50mL	1.00
A6F0744-17	Drinking Wa	EPA 200.8	06/15/16 00:00	07/07/16 15:15	45mL/50mL	45mL/50mL	1.00
A6F0744-18	Drinking Wa	EPA 200.8	06/15/16 00:00	07/07/16 15:15	45mL/50mL	45mL/50mL	1.00
A6F0744-20	Drinking Wa	EPA 200.8	06/15/16 00:00	07/07/16 15:15	45mL/50mL	45mL/50mL	1.00
A6F0744-21	Drinking Wa	EPA 200.8	06/15/16 00:00	07/07/16 15:15	45mL/50mL	45mL/50mL	1.00
A6F0744-23	Drinking Wa	EPA 200.8	06/15/16 00:00	07/07/16 15:15	45mL/50mL	45mL/50mL	1.00
A6F0744-26	Drinking Wa	EPA 200.8	06/15/16 00:00	07/07/16 15:15	45mL/50mL	45mL/50mL	1.00
A6F0744-27	Drinking Wa	EPA 200.8	06/15/16 00:00	07/07/16 15:15	45mL/50mL	45mL/50mL	1.00
A6F0744-28	Drinking Wa	EPA 200.8	06/15/16 00:00	07/07/16 15:15	45mL/50mL	45mL/50mL	1.00
A6F0744-29	Drinking Wa	EPA 200.8	06/15/16 00:00	07/07/16 15:15	45mL/50mL	45mL/50mL	1.00
A6F0744-35	Drinking Wa	EPA 200.8	06/15/16 00:00	07/07/16 15:15	45mL/50mL	45mL/50mL	1.00
A6F0744-40	Drinking Wa	EPA 200.8	06/15/16 00:00	07/07/16 15:15	45mL/50mL	45mL/50mL	1.00

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Portland, OR 97239

Project: **Reynolds School-Woodland**

Project Number: Reynolds SD #7 / PR23514.0  
Project Manager: Rich Dufresne

Reported:  
08/03/16 20:16

## Notes and Definitions

### Qualifiers:

- DW-D Turbidity greater than 1 NTU. Sample was digested per EPA Method 200.8.
- Q-03 Spike recovery and/or RPD is outside control limits due to the high concentration of analyte present in the sample.
- Q-16 Reanalysis of an original Batch QC sample.

### 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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Lisa Domenighini, Client Services Manager

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

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

Reported:  
 08/03/16 20:16

**CHAIN OF CUSTODY**

Company: **PBS** 12232 S.W. Garden Place, Tigard, OR 97223 Ph: 503-718-2323 Fax: 503-718-0333  
 4412 SW Corbett Ave, Portland, OR 97239

Lab # AGF0744 COC 2 of     

Project Name: Reynolds SD #7 Project #/PO# PR23514.022  
 Phone: (503) 248-1939 Fax: aglover@rsd7.net  
 Email: aglover@rsd7.net

Sampled by: Diane Spangler

SAMPLE ID	LAB ID #	MATRIX	# OF CONTAINERS	200g Lead	Normal Turn Around Time (TAT) 10 Business Days				SPECIAL INSTRUCTIONS:
					1 DAY	2 DAY	3 DAY	Other	
<u>WD 11</u>	<u>2345</u>	<u>DW</u>	<u>1</u>						
<u>12</u>	<u>2354</u>		<u>1</u>						
<u>13</u>	<u>2350</u>		<u>1</u>						
<u>14</u>	<u>2356</u>		<u>1</u>						
<u>15</u>	<u>2000</u>		<u>1</u>						

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

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY: Signature: <u>[Signature]</u> Printed Name: <u>Lisa Domenighini</u> Company: <u>PBS Engineering and Environmental</u>	Date: <u>08-2-16</u> Time: <u>10:10</u>	RECEIVED BY: Signature: <u>[Signature]</u> Printed Name: <u>[Name]</u> Company: <u>APEX</u>	Date: <u>8/2/16</u> Time: <u>10:10</u>
---	--	--	---

Apex Laboratories

*Lisa Domenighini*

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

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

Reported:  
 08/03/16 20:16

**CHAIN OF CUSTODY**

Company: **PBS**      12232 S.W. Garden Place, Tigard, OR 97223 Ph: 503-718-2323 Fax: 503-718-0333  
 4412 SW Corbett Ave, Portland, OR 97239

Lab # ALFO744 coc 3 of   

Project Mgr: Larry Spangler      Project Name: Reynolds SD #7      Project #/PO# PR23514.022  
 Phone: (503) 248-1939      Fax:      Email: aglover@rsd7.net

Sampled by: Larry Spangler      ANALYSIS REQUEST

SAMPLE ID	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	Zoo & Lead
WDL16		6/15/23	1	DW	1	
17		7/21/14	1			
18		2/21/17	1			
19		2/31/18	1			
20		2/32/1	1			
21		1/21/19	1			
22		1/21/10	1			
23		1/31/18	1			
24		1/30/1	1			
25		1/20/1	1			

Normal Turn Around Time (TAT) 10 Business Days

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

SPECIAL INSTRUCTIONS:

RELINQUISHED BY:      Signature: \_\_\_\_\_      Date: \_\_\_\_\_      Time: \_\_\_\_\_      Company: \_\_\_\_\_

RECEIVED BY:      Signature: \_\_\_\_\_      Date: \_\_\_\_\_      Time: \_\_\_\_\_      Company: \_\_\_\_\_

RELINQUISHED BY:      Signature: \_\_\_\_\_      Date: \_\_\_\_\_      Time: \_\_\_\_\_      Company: \_\_\_\_\_

RECEIVED BY:      Signature: \_\_\_\_\_      Date: \_\_\_\_\_      Time: \_\_\_\_\_      Company: \_\_\_\_\_

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY:      Signature: \_\_\_\_\_      Date: \_\_\_\_\_      Time: \_\_\_\_\_      Company: \_\_\_\_\_

RECEIVED BY:      Signature: \_\_\_\_\_      Date: \_\_\_\_\_      Time: \_\_\_\_\_      Company: \_\_\_\_\_

Company: **PBS Engineering and Environmental**

Apex Laboratories



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

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

Reported:  
 08/03/16 20:16

**CHAIN OF CUSTODY**

Company: **PBS**      Project Mgr: **Reynolds SD #7**      Project #/PO# **PR23514.022**  
 12232 S.W. Garden Place, Tigard, OR 97223      Phone: (503) 248-1939      Email: **aglover@rsq7.net**  
 4412 SW Corbett Ave, Portland, OR 97239      Fax: \_\_\_\_\_

Lab # **AL6F0744** coc 4 of \_\_\_\_\_

Sampled by: **LARRY STANGE**      ANALYSIS REQUEST

SAMPLE ID	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	200g Lead
WPL 26		015	2246	DW	1	
27		2341			1	
28		2444			1	
29		2446			1	
30		2446			1	

Normal Turn Around Time (TAT) 10 Business Days

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

SPECIAL INSTRUCTIONS:

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY: Signature: _____ Printed Name: <b>Larry Stange</b> Company: <b>PBS</b>	RECEIVED BY: Signature: _____ Printed Name: _____ Company: _____
Date: <b>08/2/16</b> Time: <b>10:10</b>	Date: _____ Time: _____

Company: **PBS Engineering and Environmental**



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

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

Reported:  
08/03/16 20:16

**CHAIN OF CUSTODY**

Lab # AGFO748 of 5

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

Project Name: Reynolds SD #7 Project #/POC # PR23514.022  
Phone: (503) 248-1939 Fax: \_\_\_\_\_ Email: alloyer@rsd7.net

Sampled by: Lawrence Spangler

LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	2008 Lead
31	10/16	12:52	DW	1	
32	10/15	10:55		1	
33	10/16	12:54		1	
34	10/14	10:04		1	
35	10/16	10:02		1	
36	10/16	00:05		1	
37	10/16	00:01		1	
38	10/14	10:11		1	
39	10/14	10:13		1	
40	10/16	00:05		1	

Normal Turn Around Time (TAT) 10 Business Days

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

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY:	RECEIVED BY:
Signature: _____ Date: _____	Signature: _____ Date: _____
Printed Name: _____ Time: _____	Printed Name: _____ Time: _____
Company: <b>PBS Engineering and Environmental</b>	Company: <b>APEX</b>

SPECIAL INSTRUCTIONS:

Apex Laboratories



Lisa Domenighini, Client Services Manager

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