



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

### Wilkes First Round Water Testing June 2016

Sample ID	RESULT	ug/L
WIL01	PASS	
WIL02	PASS	
WIL03	PASS	
WIL04	PASS	
WIL05	PASS	
WIL06	FAIL	21.5 ug/L
WIL07	PASS	
WIL08	PASS	
WIL09	PASS	
WIL10	FAIL	45.9 ug/L
WIL11	FAIL	96.7 ug/L
WIL12	FAIL	41.7 ug/L
WIL13	FAIL	30.0 ug/L
WIL14	FAIL	31.1 ug/L
WIL15	PASS	



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### Wilkes First Round Water Testing June 2016

Sample ID	RESULT	ug/L
WIL16	PASS	
WIL17	PASS	
WIL18	FAIL	23.8 ug/L
WIL19	PASS	
WIL20	PASS	
WIL21	PASS	
WIL22	PASS	
WIL23	PASS	
WIL24	PASS	
WIL25	PASS	
WIL26	PASS	
WIL27	PASS	
WIL28	PASS	
WIL29	PASS	
WIL30		



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### Wilkes First Round Water Testing June 2016

Sample ID	RESULT	ug/L
WIL31		
WIL32		
WIL33		
WIL34		
WIL35		
WIL36		
WIL37		
WIL38		
WIL39		
WIL40		
WIL41		
WIL42		
WIL43		
WIL44		
WIL45		

**BOTTLES NOT USED**



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Wilkes Water Testing June 2016

Sampled By: Lawrence Spina Jr

Sample ID	Location (Classroom# or Faucet Loc.)	Date
WIL01	Wilkes Kitchen North sink #1 3:32 am	6-14-2016
WIL02	Wilkes Kitchen North sink #2 3:33 am	6-14-2016
WIL03	" Kitchen Drinking fountain tall 3:33 am	6-14-2016
WIL04	" Kitchen Drinking fountain short 3:34 am	6-14-2016
WIL05	" Rm 39 sink 3:36 am	6-14-2016
WIL06	" Rm 36 sink/Drinking fountain 3:38 am	6-14-2016
WIL07	Wilkes Rm 35 sink 3:42 am	6-14-2016
WIL08	" teacher room sink 3:44 am	6-14-2016
WIL09	" teacher room cooler 3:45 am	6-14-2016
WIL10	" Rm #6 sink/Drinking fountain 3:48 am	6-14-2016
WIL11	" Rm #4 sink/Drinking fountain 3:51 am	6-14-2016
WIL12	" Rm #3 sink/Drinking fountain 3:53 am	6-14-2016
WIL13	" Rm #2 sink/Drinking fountain 3:56 am	6-14-2016
WIL14	+1 Rm #1 sink/Drinking fountain 3:58 am	6-14-2016
WIL15	" outside Rm #1 Hall Drinking fountain 4:00 am	6-14-2016



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Wilkes Water Testing June 2016

Sampled By: Diane Spangler 06/14/16

Sample ID	Location (Classroom# or Faucet Loc.)	Date
WIL16	East HALL Drinking Fountain Tall/ Left	6/14/16 03:32
WIL17	East Hall Drinking Fountain Short/ Right	6/14/16 03:33
WIL18	<del>Room # 8</del> Room # 8 Sink	6/14/16 03:38
WIL19	Counselors office Across From Rm 23 Dish Sink	6/14/16 03:47
WIL20	Room #5 Sink with Drinking Fountain Attachment	6/14/16 03:50
WIL21	Gym Drinking Fountain Left, short	6/14/16 03:57
WIL22	Gym Drinking Fountain Right/ Tall	6/14/16 03:58
WIL23	Sun Room/ OLD S. Locker Room	6/14/16 04:00
WIL24	Room # 29/ Health Room	6/14/16 04:04
WIL25	Room # 7 Sink	06-14-16 04:09
WIL26	Room #10 Sink	06/14/16 04:13
WIL27	Drinking Fountain Hall Portable "C"	06/14/16 04:16
WIL28	Drinking Fountain D7 Portable	06/14/16 04:20
WIL29	Drinking Fountain D8 Portable (sink attachment)	06/14/16 04:22
WIL30	End of PAGE	



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### Wilkes Water Testing June 2016

Sampled By: Lawrence Spangler

Sample ID	Location (Classroom# or Faucet Loc.)	Date
WIL31	Wilkes A portable north drinking fountain 4:14	6-14-2016
WIL32	" A portable south drinking fountain 4:16	6-14-2016
WIL33	" B portable north drinking fountain 4:18	6-14-2016
WIL34	B portable south drinking fountain 4:20	6-14-2016
WIL35		
WIL36		
WIL37		
WIL38		
WIL39		
WIL40		
WIL41		
WIL42		
WIL43		
WIL44		
WIL45		

Thursday, July 21, 2016

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

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

Enclosed are the results of analyses for work order A6F0691, 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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Lisa Domenighini, Client Services Manager

**PBS Engineering and Environmental**

4412 SW Corbett Ave  
 Portland, OR 97239

Project: **Reynolds School-Wilkes**

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

Reported:  
 07/21/16 08:17

## ANALYTICAL REPORT FOR SAMPLES

### SAMPLE INFORMATION

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WIL 01	A6F0691-01	Drinking Water	06/14/16 00:00	06/21/16 10:10
WIL 02	A6F0691-02	Drinking Water	06/14/16 00:00	06/21/16 10:10
WIL 03	A6F0691-03	Drinking Water	06/14/16 00:00	06/21/16 10:10
WIL 04	A6F0691-04	Drinking Water	06/14/16 00:00	06/21/16 10:10
WIL 05	A6F0691-05	Drinking Water	06/14/16 00:00	06/21/16 10:10
WIL 06	A6F0691-06	Drinking Water	06/14/16 00:00	06/21/16 10:10
WIL 07	A6F0691-07	Drinking Water	06/14/16 00:00	06/21/16 10:10
WIL 08	A6F0691-08	Drinking Water	06/14/16 00:00	06/21/16 10:10
WIL 09	A6F0691-09	Drinking Water	06/14/16 00:00	06/21/16 10:10
WIL 10	A6F0691-10	Drinking Water	06/14/16 00:00	06/21/16 10:10
WIL 11	A6F0691-11	Drinking Water	06/14/16 00:00	06/21/16 10:10
WIL 12	A6F0691-12	Drinking Water	06/14/16 00:00	06/21/16 10:10
WIL 13	A6F0691-13	Drinking Water	06/14/16 00:00	06/21/16 10:10
WIL 14	A6F0691-14	Drinking Water	06/14/16 00:00	06/21/16 10:10
WIL 15	A6F0691-15	Drinking Water	06/14/16 00:00	06/21/16 10:10
WIL 16	A6F0691-16	Drinking Water	06/14/16 00:00	06/21/16 10:10
WIL 17	A6F0691-17	Drinking Water	06/14/16 00:00	06/21/16 10:10
WIL 18	A6F0691-18	Drinking Water	06/14/16 00:00	06/21/16 10:10
WIL 19	A6F0691-19	Drinking Water	06/14/16 00:00	06/21/16 10:10
WIL 20	A6F0691-20	Drinking Water	06/14/16 00:00	06/21/16 10:10
WIL 21	A6F0691-21	Drinking Water	06/14/16 00:00	06/21/16 10:10
WIL 23	A6F0691-22	Drinking Water	06/14/16 00:00	06/21/16 10:10
WIL 24	A6F0691-23	Drinking Water	06/14/16 00:00	06/21/16 10:10
WIL 25	A6F0691-24	Drinking Water	06/14/16 00:00	06/21/16 10:10
WIL 26	A6F0691-25	Drinking Water	06/14/16 00:00	06/21/16 10:10
WIL 27	A6F0691-26	Drinking Water	06/14/16 00:00	06/21/16 10:10
WIL 28	A6F0691-27	Drinking Water	06/14/16 00:00	06/21/16 10:10
WIL 29	A6F0691-28	Drinking Water	06/14/16 00:00	06/21/16 10:10
WIL 31	A6F0691-30	Drinking Water	06/14/16 00:00	06/21/16 10:10
WIL 32	A6F0691-31	Drinking Water	06/14/16 00:00	06/21/16 10:10
WIL 33	A6F0691-32	Drinking Water	06/14/16 00:00	06/21/16 10:10
WIL 34	A6F0691-33	Drinking Water	06/14/16 00:00	06/21/16 10:10
WIL 22	A6F0691-34	Drinking Water	06/14/16 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-Wilkes**

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

Reported:  
07/21/16 08:17

## ANALYTICAL CASE NARRATIVE

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**Work Order: A6F0691**

Amended Report Revision 1:

This report supersedes all previous reports.

This report contains all results for the samples submitted to Apex Labs .

Lisa Domenighini  
Client Services Manager  
7/21/16

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Lisa Domenighini, Client Services Manager

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

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

**Reported:**  
07/21/16 08:17

## 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>WIL 01 (A6F0691-01RE1)</b>			<b>Matrix: Drinking Water</b>					
Batch: 6070567								
Lead	5.29	---	0.200	ug/L	1	07/19/16 19:21	EPA 200.8	DW-D
<b>WIL 02 (A6F0691-02)</b>			<b>Matrix: Drinking Water</b>					
Batch: 6070567								
Lead	15.2	---	0.200	ug/L	1	07/19/16 18:49	EPA 200.8	DW-D
<b>WIL 03 (A6F0691-03)</b>			<b>Matrix: Drinking Water</b>					
Batch: 6070034								
Lead	ND	---	0.200	ug/L	1	07/01/16 20:00	EPA 200.8	
<b>WIL 04 (A6F0691-04)</b>			<b>Matrix: Drinking Water</b>					
Batch: 6070034								
Lead	ND	---	0.200	ug/L	1	07/01/16 20:03	EPA 200.8	
<b>WIL 05 (A6F0691-05)</b>			<b>Matrix: Drinking Water</b>					
Batch: 6070034								
Lead	3.21	---	0.200	ug/L	1	07/01/16 20:06	EPA 200.8	
<b>WIL 06 (A6F0691-06)</b>			<b>Matrix: Drinking Water</b>					
Batch: 6070034								
Lead	46.2	---	0.200	ug/L	1	07/01/16 20:13	EPA 200.8	
<b>WIL 07 (A6F0691-07)</b>			<b>Matrix: Drinking Water</b>					
Batch: 6070034								
Lead	15.8	---	0.200	ug/L	1	07/01/16 20:14	EPA 200.8	
<b>WIL 08 (A6F0691-08)</b>			<b>Matrix: Drinking Water</b>					
Batch: 6070034								
Lead	4.12	---	0.200	ug/L	1	07/01/16 20:16	EPA 200.8	
<b>WIL 09 (A6F0691-09)</b>			<b>Matrix: Drinking Water</b>					
Batch: 6070034								
Lead	ND	---	0.200	ug/L	1	07/01/16 20:17	EPA 200.8	
<b>WIL 10 (A6F0691-10)</b>			<b>Matrix: Drinking Water</b>					
Batch: 6070034								
Lead	45.9	---	0.200	ug/L	1	07/01/16 20:19	EPA 200.8	
<b>WIL 11 (A6F0691-11)</b>			<b>Matrix: Drinking Water</b>					
Batch: 6070567								
Lead	96.7	---	0.200	ug/L	1	07/19/16 18:55	EPA 200.8	DW-D
<b>WIL 12 (A6F0691-12)</b>			<b>Matrix: Drinking Water</b>					

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Lisa Domenighini, Client Services Manager

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

**Reported:**  
07/21/16 08:17

## 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>WIL 12 (A6F0691-12)</b>			<b>Matrix: Drinking Water</b>					
Batch: 6070034								
<b>Lead</b>	<b>41.7</b>	---	0.200	ug/L	1	07/01/16 20:20	EPA 200.8	
<b>WIL 13 (A6F0691-13)</b>			<b>Matrix: Drinking Water</b>					
Batch: 6070034								
<b>Lead</b>	<b>30.0</b>	---	0.200	ug/L	1	07/01/16 20:22	EPA 200.8	
<b>WIL 14 (A6F0691-14)</b>			<b>Matrix: Drinking Water</b>					
Batch: 6070567								
<b>Lead</b>	<b>31.1</b>	---	0.200	ug/L	1	07/19/16 18:57	EPA 200.8	DW-D
<b>WIL 15 (A6F0691-15)</b>			<b>Matrix: Drinking Water</b>					
Batch: 6070034								
<b>Lead</b>	ND	---	0.200	ug/L	1	07/01/16 20:23	EPA 200.8	
<b>WIL 16 (A6F0691-16)</b>			<b>Matrix: Drinking Water</b>					
Batch: 6070038								
<b>Lead</b>	<b>0.656</b>	---	0.200	ug/L	1	07/01/16 18:00	EPA 200.8	
<b>WIL 17 (A6F0691-17)</b>			<b>Matrix: Drinking Water</b>					
Batch: 6070567								
<b>Lead</b>	<b>4.20</b>	---	0.200	ug/L	1	07/19/16 18:58	EPA 200.8	DW-D
<b>WIL 18 (A6F0691-18)</b>			<b>Matrix: Drinking Water</b>					
Batch: 6070038								
<b>Lead</b>	<b>23.8</b>	---	0.200	ug/L	1	07/01/16 18:01	EPA 200.8	
<b>WIL 19 (A6F0691-19)</b>			<b>Matrix: Drinking Water</b>					
Batch: 6070038								
<b>Lead</b>	<b>4.23</b>	---	0.200	ug/L	1	07/01/16 18:03	EPA 200.8	
<b>WIL 20 (A6F0691-20)</b>			<b>Matrix: Drinking Water</b>					
Batch: 6070038								
<b>Lead</b>	<b>9.03</b>	---	0.200	ug/L	1	07/01/16 18:06	EPA 200.8	
<b>WIL 21 (A6F0691-21)</b>			<b>Matrix: Drinking Water</b>					
Batch: 6070038								
<b>Lead</b>	<b>0.589</b>	---	0.200	ug/L	1	07/01/16 18:09	EPA 200.8	
<b>WIL 23 (A6F0691-22)</b>			<b>Matrix: Drinking Water</b>					
Batch: 6070038								
<b>Lead</b>	<b>7.56</b>	---	0.200	ug/L	1	07/01/16 18:11	EPA 200.8	
<b>WIL 24 (A6F0691-23)</b>			<b>Matrix: Drinking Water</b>					

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

Reported:  
07/21/16 08:17

## 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>WIL 24 (A6F0691-23) Matrix: Drinking Water</b>								
Batch: 6070038								
Lead	2.21	---	0.200	ug/L	1	07/01/16 18:12	EPA 200.8	
<b>WIL 25 (A6F0691-24) Matrix: Drinking Water</b>								
Batch: 6070038								
Lead	8.99	---	0.200	ug/L	1	07/01/16 18:14	EPA 200.8	
<b>WIL 26 (A6F0691-25) Matrix: Drinking Water</b>								
Batch: 6070038								
Lead	10.7	---	0.200	ug/L	1	07/01/16 18:19	EPA 200.8	
<b>WIL 27 (A6F0691-26) Matrix: Drinking Water</b>								
Batch: 6070038								
Lead	0.233	---	0.200	ug/L	1	07/01/16 18:20	EPA 200.8	
<b>WIL 28 (A6F0691-27) Matrix: Drinking Water</b>								
Batch: 6070038								
Lead	ND	---	0.200	ug/L	1	07/01/16 18:22	EPA 200.8	
<b>WIL 29 (A6F0691-28) Matrix: Drinking Water</b>								
Batch: 6070038								
Lead	1.51	---	0.200	ug/L	1	07/01/16 18:23	EPA 200.8	
<b>WIL 31 (A6F0691-30) Matrix: Drinking Water</b>								
Batch: 6070567								
Lead	3.93	---	0.200	ug/L	1	07/19/16 19:00	EPA 200.8	DW-D
<b>WIL 32 (A6F0691-31) Matrix: Drinking Water</b>								
Batch: 6070567								
Lead	174	---	0.200	ug/L	1	07/19/16 19:01	EPA 200.8	DW-D
<b>WIL 33 (A6F0691-32) Matrix: Drinking Water</b>								
Batch: 6070567								
Lead	12.9	---	0.200	ug/L	1	07/19/16 19:03	EPA 200.8	DW-D
<b>WIL 34 (A6F0691-33) Matrix: Drinking Water</b>								
Batch: 6070038								
Lead	27.2	---	0.200	ug/L	1	07/01/16 18:25	EPA 200.8	
<b>WIL 22 (A6F0691-34) Matrix: Drinking Water</b>								
Batch: 6070038								
Lead	2.61	---	0.200	ug/L	1	07/01/16 18:26	EPA 200.8	

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

**Reported:**  
07/21/16 08:17

## 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 6070034 - Matrix Matched Direct Inject</b>						<b>Drinking Water</b>						
<b>Blank (6070034-BLK1)</b>						Prepared: 07/01/16 11:35 Analyzed: 07/01/16 19:47						
<b>EPA 200.8</b>												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	---
<b>LCS (6070034-BS1)</b>						Prepared: 07/01/16 11:35 Analyzed: 07/01/16 19:48						
<b>EPA 200.8</b>												
Lead	15.2	---	0.200	ug/L	1	16.7	---	91	85-115%	---	---	---
<b>Duplicate (6070034-DUP1)</b>						Prepared: 07/01/16 11:35 Analyzed: 07/01/16 20:04						
<b>QC Source Sample: WIL 04 (A6F0691-04)</b>												
<b>EPA 200.8</b>												
Lead	ND	---	0.200	ug/L	1	---	ND	---	---	---	20%	---
<b>Matrix Spike (6070034-MS1)</b>						Prepared: 07/01/16 11:35 Analyzed: 07/01/16 20:07						
<b>QC Source Sample: WIL 05 (A6F0691-05)</b>												
<b>EPA 200.8</b>												
Lead	18.5	---	0.200	ug/L	1	16.7	3.21	92	70-130%	---	---	---
<b>Batch 6070038 - Matrix Matched Direct Inject</b>						<b>Drinking Water</b>						
<b>Blank (6070038-BLK1)</b>						Prepared: 07/01/16 14:07 Analyzed: 07/01/16 17:54						
<b>EPA 200.8</b>												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	---
<b>LCS (6070038-BS1)</b>						Prepared: 07/01/16 14:07 Analyzed: 07/01/16 17:55						
<b>EPA 200.8</b>												
Lead	15.3	---	0.200	ug/L	1	16.7	---	92	85-115%	---	---	---
<b>Duplicate (6070038-DUP1)</b>						Prepared: 07/01/16 14:07 Analyzed: 07/01/16 18:05						
<b>QC Source Sample: WIL 19 (A6F0691-19)</b>												
<b>EPA 200.8</b>												
Lead	4.11	---	0.200	ug/L	1	---	4.23	---	---	3	20%	---
<b>Matrix Spike (6070038-MS1)</b>						Prepared: 07/01/16 14:07 Analyzed: 07/01/16 18:08						
<b>QC Source Sample: WIL 20 (A6F0691-20)</b>												
<b>EPA 200.8</b>												

Apex Laboratories



Lisa Domenighini, Client Services Manager

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

**Reported:**  
 07/21/16 08:17

## 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 6070038 - Matrix Matched Direct Inject</b>						<b>Drinking Water</b>						
<b>Matrix Spike (6070038-MS1)</b>						Prepared: 07/01/16 14:07 Analyzed: 07/01/16 18:08						
<b>QC Source Sample: WIL 20 (A6F0691-20)</b>												
Lead	23.5	---	0.200	ug/L	1	16.7	9.03	87	70-130%	---	---	

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

**Reported:**  
 07/21/16 08:17

## 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 6070567 - EPA 3015A</b>						<b>Drinking Water</b>						
<b>Blank (6070567-BLK1)</b>						Prepared: 07/19/16 15:10 Analyzed: 07/19/16 18:41						
<b>EPA 200.8</b>												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	---
<b>LCS (6070567-BS1)</b>						Prepared: 07/19/16 15:10 Analyzed: 07/19/16 18:42						
<b>EPA 200.8</b>												
Lead	16.2	---	0.200	ug/L	1	16.7	---	97	85-115%	---	---	---
<b>Duplicate (6070567-DUP1)</b>						Prepared: 07/19/16 15:10 Analyzed: 07/19/16 18:48						
<b>QC Source Sample: WIL 01 (A6F0691-01RE1)</b>												
<b>EPA 200.8</b>												
Lead	5.82	---	0.200	ug/L	1	---	5.29	---	---	10	20%	---
<b>Matrix Spike (6070567-MS1)</b>						Prepared: 07/19/16 15:10 Analyzed: 07/19/16 18:51						
<b>QC Source Sample: WIL 02 (A6F0691-02)</b>												
<b>EPA 200.8</b>												
Lead	32.3	---	0.200	ug/L	1	16.7	15.2	103	70-130%	---	---	---

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Lisa Domenighini, Client Services Manager

**PBS Engineering and Environmental**

4412 SW Corbett Ave  
Portland, OR 97239

Project: **Reynolds School-Wilkes**

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

**Reported:**

07/21/16 08:17

**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: 6070567</b>							
A6F0691-01RE1	Drinking Wa	EPA 200.8	06/14/16 00:00	07/19/16 15:10	45mL/50mL	45mL/50mL	1.00
A6F0691-02	Drinking Wa	EPA 200.8	06/14/16 00:00	07/19/16 15:10	45mL/50mL	45mL/50mL	1.00
A6F0691-11	Drinking Wa	EPA 200.8	06/14/16 00:00	07/19/16 15:10	45mL/50mL	45mL/50mL	1.00
A6F0691-14	Drinking Wa	EPA 200.8	06/14/16 00:00	07/19/16 15:10	45mL/50mL	45mL/50mL	1.00
A6F0691-17	Drinking Wa	EPA 200.8	06/14/16 00:00	07/19/16 15:10	45mL/50mL	45mL/50mL	1.00
A6F0691-30	Drinking Wa	EPA 200.8	06/14/16 00:00	07/19/16 15:10	45mL/50mL	45mL/50mL	1.00
A6F0691-31	Drinking Wa	EPA 200.8	06/14/16 00:00	07/19/16 15:10	45mL/50mL	45mL/50mL	1.00
A6F0691-32	Drinking Wa	EPA 200.8	06/14/16 00:00	07/19/16 15:10	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: 6070034</b>							
A6F0691-03	Drinking Wa	EPA 200.8	06/14/16 00:00	07/01/16 11:35	45mL/50mL	45mL/50mL	1.00
A6F0691-04	Drinking Wa	EPA 200.8	06/14/16 00:00	07/01/16 11:35	45mL/50mL	45mL/50mL	1.00
A6F0691-05	Drinking Wa	EPA 200.8	06/14/16 00:00	07/01/16 11:35	45mL/50mL	45mL/50mL	1.00
A6F0691-06	Drinking Wa	EPA 200.8	06/14/16 00:00	07/01/16 11:35	45mL/50mL	45mL/50mL	1.00
A6F0691-07	Drinking Wa	EPA 200.8	06/14/16 00:00	07/01/16 11:35	45mL/50mL	45mL/50mL	1.00
A6F0691-08	Drinking Wa	EPA 200.8	06/14/16 00:00	07/01/16 11:35	45mL/50mL	45mL/50mL	1.00
A6F0691-09	Drinking Wa	EPA 200.8	06/14/16 00:00	07/01/16 11:35	45mL/50mL	45mL/50mL	1.00
A6F0691-10	Drinking Wa	EPA 200.8	06/14/16 00:00	07/01/16 11:35	45mL/50mL	45mL/50mL	1.00
A6F0691-12	Drinking Wa	EPA 200.8	06/14/16 00:00	07/01/16 11:35	45mL/50mL	45mL/50mL	1.00
A6F0691-13	Drinking Wa	EPA 200.8	06/14/16 00:00	07/01/16 11:35	45mL/50mL	45mL/50mL	1.00
A6F0691-15	Drinking Wa	EPA 200.8	06/14/16 00:00	07/01/16 11:35	45mL/50mL	45mL/50mL	1.00

**Batch: 6070038**

A6F0691-16	Drinking Wa	EPA 200.8	06/14/16 00:00	07/01/16 14:07	45mL/50mL	45mL/50mL	1.00
A6F0691-18	Drinking Wa	EPA 200.8	06/14/16 00:00	07/01/16 14:07	45mL/50mL	45mL/50mL	1.00
A6F0691-19	Drinking Wa	EPA 200.8	06/14/16 00:00	07/01/16 14:07	45mL/50mL	45mL/50mL	1.00
A6F0691-20	Drinking Wa	EPA 200.8	06/14/16 00:00	07/01/16 14:07	45mL/50mL	45mL/50mL	1.00
A6F0691-21	Drinking Wa	EPA 200.8	06/14/16 00:00	07/01/16 14:07	45mL/50mL	45mL/50mL	1.00
A6F0691-22	Drinking Wa	EPA 200.8	06/14/16 00:00	07/01/16 14:07	45mL/50mL	45mL/50mL	1.00
A6F0691-23	Drinking Wa	EPA 200.8	06/14/16 00:00	07/01/16 14:07	45mL/50mL	45mL/50mL	1.00
A6F0691-24	Drinking Wa	EPA 200.8	06/14/16 00:00	07/01/16 14:07	45mL/50mL	45mL/50mL	1.00
A6F0691-25	Drinking Wa	EPA 200.8	06/14/16 00:00	07/01/16 14:07	45mL/50mL	45mL/50mL	1.00
A6F0691-26	Drinking Wa	EPA 200.8	06/14/16 00:00	07/01/16 14:07	45mL/50mL	45mL/50mL	1.00

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**PBS Engineering and Environmental**

4412 SW Corbett Ave  
 Portland, OR 97239

Project: **Reynolds School-Wilkes**

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

**Reported:**  
 07/21/16 08:17

**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
A6F0691-27	Drinking Wa	EPA 200.8	06/14/16 00:00	07/01/16 14:07	45mL/50mL	45mL/50mL	1.00
A6F0691-28	Drinking Wa	EPA 200.8	06/14/16 00:00	07/01/16 14:07	45mL/50mL	45mL/50mL	1.00
A6F0691-33	Drinking Wa	EPA 200.8	06/14/16 00:00	07/01/16 14:07	45mL/50mL	45mL/50mL	1.00
A6F0691-34	Drinking Wa	EPA 200.8	06/14/16 00:00	07/01/16 14:07	45mL/50mL	45mL/50mL	1.00

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Lisa Domenighini, Client Services Manager

**PBS Engineering and Environmental**

4412 SW Corbett Ave  
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Project: **Reynolds School-Wilkes**

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

Reported:  
07/21/16 08:17

## Notes and Definitions

### Qualifiers:

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

### 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).

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

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

Reported:  
07/21/16 08:17

**CHAIN OF CUSTODY**

Company: **APEX LABS** 12232 S.W. Garden Place, Tigard, OR 97223 Ph: 503-718-2323 Fax: 503-718-0333  
 4412 SW Corbett Ave, Portland, OR 97239  
 Project Mgr: **Larry Spangol** Project Name: **Reynolds SD#7** Project #/PO# **Pr23514.022**  
 Lab # **167091** Lab # of **1** Email: **aglover@rsd7.net**  
 Phone: (503) 248-1939 Fax: **ANALYSIS REQUEST**

SAMPLE ID	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	200.8 Lead
W101		10/14/03	032	DW	1	
02		0033				
03		0033				
04		0034				
05		0036				
06		0342				
07		0344				
08		0345				
09		0348				
10		0348				

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: Signature: <i>[Signature]</i> Printed Name: <b>Larry Spangol</b> Company: <b>ES</b>	RECEIVED BY: Signature: <i>[Signature]</i> Printed Name: <b>Rich Dufresne</b> Company: <b>APEX</b>
Date: <b>06-21-16</b>	Date: _____
Time: <b>10:00</b>	Time: _____

SPECIAL INSTRUCTIONS:

Apex Laboratories

*Lisa Domenighini*

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

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

Reported:  
07/21/16 08:17

**CHAIN OF CUSTODY**

Company: **PBS**      Project Mgr: \_\_\_\_\_  
12232 S.W. Garden Place, Tigard, OR 97223 Ph: 503-718-2323 Fax: 503-718-0333

Lab # AGF0691 coc 2 of     
Project Name: Reynolds SD #7      Project #/PO# PR23514.022  
Phone: (503) 248-1939      Fax: \_\_\_\_\_      Email: aglover@psd7.net

Sampled by: Larry Spangler      ANALYSIS REQUEST

SAMPLE ID	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	2008 Lead
<u>WIL 11</u>		<u>6/14</u>	<u>0851</u>	<u>DW</u>	<u>1</u>	
<u>WIL 12</u>			<u>0853</u>			
<u>13</u>			<u>0860</u>			
<u>14</u>			<u>0860</u>			
<u>15</u>			<u>0400</u>			
<u>16</u>			<u>0337</u>			
<u>17</u>			<u>0339</u>			
<u>18</u>			<u>0356</u>			
<u>19</u>			<u>0341</u>			
<u>20</u>			<u>0356</u>			

Normal Turn Around Time (TAT) 10 Business Days

SPECIAL INSTRUCTIONS:

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: \_\_\_\_\_      Signature: \_\_\_\_\_      Date: \_\_\_\_\_      Date: \_\_\_\_\_  
Printed Name: Larry Spangler      Printed Name: Wesley Glesic  
Company: PBS Engineering and Environmental      Company: APEX  
Time: \_\_\_\_\_      Time: \_\_\_\_\_

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

Reported:  
07/21/16 08:17

**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 # 16F091      Project # 23514.022      Project # PR23514.022  
COC # 3 of   

Project Mgr: Diane Spangler      Project Name: Reynolds SD #7      Email: aglover@rsd7.net  
Phone: (503) 248-1939      Fax:   

Sampled by: Diane Spangler      ANALYSIS REQUEST

SAMPLE ID	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	ZOOB Lead
W121		6/14/08	0857	DW	1	
23		0858				
24		0400				
25		0404				
26		0409				
27		0413				
28		0414				
29		0420				
30		0422				

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: <u>[Signature]</u> Printed Name: <u>Lisa Spangler</u> Company: <u>PBS Engineering and Environmental</u>	RECEIVED BY: Signature: <u>[Signature]</u> Printed Name: <u>[Signature]</u> Company: <u>  </u>
Date: <u>06/21/16</u> Time: <u>10:00</u>	Date: <u>  </u> Time: <u>  </u>

Apex Laboratories

*Lisa Domenighini*

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4412 SW Corbett Ave  
Portland, OR 97239

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

Reported:  
07/21/16 08:17

**CHAIN OF CUSTODY**

Lab # AP0691 coc 4 of   

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

**PBS**  
Company: PBS  
Project Mgr: Larry Spangler  
4412 SW Corbett Ave, Portland, OR 97239  
Phone: (503) 248-1939 Fax: Reynolds SD #7  
Project Name: Reynolds SD #7  
Project #/PO# PR23514.022  
Email: aglover@psd7.net

Sampled by: Larry Spangler

SAMPLE ID	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	200's Lead	SPECIAL INSTRUCTIONS:						
							RELINQUISHED BY:	RECEIVED BY:	DATE:	DATE:			
WIL 31		04/14	0414	ENV	1								
32		04/16	0416		1								
33		04/18	0418		1								
34		04/20	0420		1								
Normal Turn Around Time (TAT) 10 Business Days							SPECIAL INSTRUCTIONS:						
TAT Requested (circle)							1 DAY	2 DAY	3 DAY				
SAMPLES ARE HELD FOR 30 DAYS							4 DAY	5 DAY	Other: _____				
RELINQUISHED BY:							RECEIVED BY:						
Signature: <u>[Signature]</u>							Signature: <u>[Signature]</u>						
Date: <u>06-24-16</u>							Date: _____						
Printed Name: <u>Larry Spangler</u>							Printed Name: _____						
Time: <u>10:0</u>							Time: _____						
Company: <u>PBS</u>							Company: <u>APEX</u>						

*Lisa Domenighini*