

## Alder First Round Water Testing June 2016

Sample ID	RESULT	ug/L
ALD01	FAIL	27.9 ug/L
ALD02	FAIL	66.3 ug/L
ALD03	PASS	
ALD04	PASS	
ALD05	FAIL	23.3 ug/L
ALD06	FAIL	23.1 ug/L
ALD07	FAIL	32.4 ug/L
ALD08	FAIL	29.1 ug/L
ALD09	FAIL	54.2 ug/L
ALD10	PASS	
ALD11	PASS	
ALD12	PASS	
ALD13	PASS	
ALD14	PASS	
ALD15	PASS	



## Alder First Round Water Testing June 2016

Sample ID	RESULT	ug/L
ALD16	PASS	
ALD17	FAIL	901 ug/L
ALD18	FAIL	33.7 ug/L
ALD19	FAIL	188 ug/L
ALD20	FAIL	91.4 ug/L
ALD21	FAIL	159 ug/L
ALD22	FAIL	231 ug/L
ALD23	FAIL	96.9 ug/L
ALD24	FAIL	38.4 ug/L
ALD25	PASS	
ALD26	FAIL	52.6 ug/L
ALD27	FAIL	20.3 ug/L
ALD28	FAIL	84.7 ug/L
ALD29	FAIL	391 ug/L
ALD30	FAIL	28.4ug/L



## Alder First Round Water Testing June 2016

Sample ID	RESULT	ug/L
ALD31	FAIL	305 ug/L
ALD32	FAIL	202 ug/L
ALD33	FAIL	108 ug/L
ALD34	FAIL	132 ug/L
ALD35	FAIL	99.0 ug/L
ALD36	FAIL	32.1 ug/L
ALD37	PASS	
ALD38	PASS	
ALD39	PASS	
ALD40	PASS	
ALD41	PASS	
ALD42		
ALD43	-BOTTLES-NOT-USE	S D
ALD44		50
ALD45		



Reynolds School District Administration Offices 1204 NE 201\*\* Avenue Fairview, OR 97024 503.661.7200 • FAX 503.667.6932

## Alder Water Testing June 2016

Sampled By: Diane Spangter 06/16/16

Sample ID	Location (Classroom# or Faucet Loc.)	Da	te
ALD01	Room 17a Staff Room Sink Faucet	6/16/16	03:21
ALD02	Drinking Fountain by Room 17B Left Site	6/16/16	03:26
ALD03	Drinking Fountain by Rown ITB Right side	6/110/16	03:27
ALD04	Room # 30 Drinking Faurtain	6/16/16	03:33
ALD05	Room # 29 Drinking Fountain	6/16/16	03'35
ALD06	Room H 28 Drinking Fountain	lellelle	03:37
ALD07	Room # 27 Drinking Faintain	6/16/16	03:39
ALD08	Room # 26 Drinking Fountain	61110116	03:41
ALD09	Room # 25 Orinking Fauntain	6116116	03:43
ALD10	Room # 18 Drinking Fountain	iellelle	03:47
ALD11	Room # 19 Drinking Fountain	6/11/16	03:48
ALD12	Drinking Fauntain Sw Hall Bays/left/Tall		03:52
ALD13	Drinking Fountain Boys/left/tall/ bottlefiller Sw Hall		63:53
ALD14	Drivking Fountain Girls Right short SW HALL		03:54
ALD15	Sink Faucet Room # 32		04:00



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## Alder Water Testing June 2016

Sampled By: Lauma Sponglar

Sample ID	Location (Classroom# or Faucet Loc.)		Date
ALD16	Nurse's affice sink	0323	6/16/16
ALD17	Ry 15 sink fountain	0324	
ALD18	Rin L II n	0 337	11
ALD19	Rm 2	0339	11
ALD20	Twin fountain in hall	0346	20
ALD21	Rus Suk Countain	0743	16
ALD22	Ring II a	0 344	11
ALD23	Ry 5 11 11	0346	((
ALD24	Ringle ( 11	0748	10
ALD25	Hall fountain between R. Rins.	0350	G
ALD26	Rm 8 11 11	0351	1(
ALD27	Rug ec il	0353	9
ALD28	Run 10 11 M	0354	ι (
ALD29	Run II II	0355	11
ALD30	Ms. Monacos Run - Sink lawcot	0358	11
		1	



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## Alder Water Testing June 2016

Sampled By: a wrange Sting h

Location (Classroom# or Faucet Loc.)		Date
Rn 13 Sink Countain	0461	6/16/16
Run 14 u u	0403	r <sub>t</sub>
Run 21 a 4	0407	[[
Run 22 4 4	0409	Cellel/le
Room 24 Drinking Fountain	0410	lel le l le
-	0411	le11/2/1/2
Gum, hall between Cape & Some - tall	0415	ir
11 a - Shent	0417	ü
Kitchen Prepsinkfaulet Left	0419	6116116
Kitchen Prepsink Fauet Right	0420	6/16/16
Kitchen Dishwash Sink East	0421	6/16/16
		UE : "
	Rm 13 Sink Countain Rm 14 cc 4 Rm 21 c 4 Rm 22 4 m Room 24 Drinking Faurtain Room 23 Drinking Faurtain Gym, half between Capet Some - tall 11 - Sheat Kitchen Prepsink Fauret Right	Rm 13 Sink Fauet Right 0401 Rm 14 u u 0403 Rm 21 u u 0403 Rm 22 4 u 0409 Room 24 Drinking Fountain 0411 Gym, hall between Cafe 9 Some - Tall 0415 11 u - Sheat 0417 Kitchen Prepsink Fauet Right 0420

# Apex Labs

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

Friday, July 29, 2016

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

RE: Reynolds School-Alder / [none]

Enclosed are the results of analyses for work order <u>A6F0737</u>, 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: <u>Idomenighini@apex-labs.com</u>, or by phone at 503-718-2323.

Apex Laboratories

Assa A Zomenichini

Lisa Domenighini, Client Services Manager

## Apex Labs

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

PBS Engineering and Environmental	Project: Reynolds School-Alder				
4412 SW Corbett Ave	Project Number: [none]	Reported:			
Portland, OR 97239	Project Manager: Rich Dufresne	07/29/16 14:32			
ANALVTICAL REPORT FOR SAMPLES					

#### ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION							
Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received			
ALD 01	A6F0737-01	Drinking Water	06/16/16 00:00	06/21/16 10:10			
ALD 02	A6F0737-02	Drinking Water	06/16/16 00:00	06/21/16 10:10			
ALD 03	A6F0737-03	Drinking Water	06/16/16 00:00	06/21/16 10:10			
ALD 04	A6F0737-04	Drinking Water	06/16/16 00:00	06/21/16 10:10			
ALD 05	A6F0737-05	Drinking Water	06/16/16 00:00	06/21/16 10:10			
ALD 06	A6F0737-06	Drinking Water	06/16/16 00:00	06/21/16 10:10			
ALD 07	A6F0737-07	Drinking Water	06/16/16 00:00	06/21/16 10:10			
ALD 08	A6F0737-08	Drinking Water	06/16/16 00:00	06/21/16 10:10			
ALD 09	A6F0737-09	Drinking Water	06/16/16 00:00	06/21/16 10:10			
ALD 10	A6F0737-10	Drinking Water	06/16/16 00:00	06/21/16 10:10			
ALD 11	A6F0737-11	Drinking Water	06/16/16 00:00	06/21/16 10:10			
ALD 12	A6F0737-12	Drinking Water	06/16/16 00:00	06/21/16 10:10			
ALD 13	A6F0737-13	Drinking Water	06/16/16 00:00	06/21/16 10:10			
ALD 14	A6F0737-14	Drinking Water	06/16/16 00:00	06/21/16 10:10			
ALD 15	A6F0737-15	Drinking Water	06/16/16 00:00	06/21/16 10:10			
ALD 16	A6F0737-16	Drinking Water	06/16/16 00:00	06/21/16 10:10			
ALD 17	A6F0737-17	Drinking Water	06/16/16 00:00	06/21/16 10:10			
ALD 18	A6F0737-18	Drinking Water	06/16/16 00:00	06/21/16 10:10			
ALD 19	A6F0737-19	Drinking Water	06/16/16 00:00	06/21/16 10:10			
ALD 20	A6F0737-20	Drinking Water	06/16/16 00:00	06/21/16 10:10			
ALD 21	A6F0737-21	Drinking Water	06/16/16 00:00	06/21/16 10:10			
ALD 22	A6F0737-22	Drinking Water	06/16/16 00:00	06/21/16 10:10			
ALD 23	A6F0737-23	Drinking Water	06/16/16 00:00	06/21/16 10:10			
ALD 24	A6F0737-24	Drinking Water	06/16/16 00:00	06/21/16 10:10			
ALD 25	A6F0737-25	Drinking Water	06/16/16 00:00	06/21/16 10:10			
ALD 26	A6F0737-26	Drinking Water	06/16/16 00:00	06/21/16 10:10			
ALD 27	A6F0737-27	Drinking Water	06/16/16 00:00	06/21/16 10:10			
ALD 28	A6F0737-28	Drinking Water	06/16/16 00:00	06/21/16 10:10			
ALD 29	A6F0737-29	Drinking Water	06/16/16 00:00	06/21/16 10:10			
ALD 30	A6F0737-30	Drinking Water	06/16/16 00:00	06/21/16 10:10			
ALD 31	A6F0737-31	Drinking Water	06/16/16 00:00	06/21/16 10:10			
ALD 32	A6F0737-32	Drinking Water	06/16/16 00:00	06/21/16 10:10			
ALD 33	A6F0737-33	Drinking Water	06/16/16 00:00	06/21/16 10:10			
ALD 34	A6F0737-34	Drinking Water	06/16/16 00:00	06/21/16 10:10			
ALD 35	A6F0737-35	Drinking Water	06/16/16 00:00	06/21/16 10:10			

Apex Laboratories

Assa A Zomenighini

## Apex Labs

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

키

PBS Engineering and Environmental	Project:	Reynolds School-Alder			
4412 SW Corbett Ave	Project Number:	[none]	Reported:		
Portland, OR 97239	Project Manager:	Rich Dufresne	07/29/16 14:32		
ANALVTICAL DEDODT FOD SAMDLES					

#### ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION						
Laboratory ID	Matrix	Date Sampled	Date Received			
A6F0737-36	Drinking Water	06/16/16 00:00	06/21/16 10:10			
A6F0737-37	Drinking Water	06/16/16 00:00	06/21/16 10:10			
A6F0737-38	Drinking Water	06/16/16 00:00	06/21/16 10:10			
A6F0737-39	Drinking Water	06/16/16 00:00	06/21/16 10:10			
A6F0737-40	Drinking Water	06/16/16 00:00	06/21/16 10:10			
A6F0737-41	Drinking Water	06/16/16 00:00	06/21/16 10:10			
	Laboratory ID A6F0737-36 A6F0737-37 A6F0737-38 A6F0737-39 A6F0737-39	Laboratory IDMatrixA6F0737-36Drinking WaterA6F0737-37Drinking WaterA6F0737-38Drinking WaterA6F0737-39Drinking WaterA6F0737-40Drinking Water	Laboratory ID         Matrix         Date Sampled           A6F0737-36         Drinking Water         06/16/16 00:00           A6F0737-37         Drinking Water         06/16/16 00:00           A6F0737-38         Drinking Water         06/16/16 00:00           A6F0737-39         Drinking Water         06/16/16 00:00           A6F0737-40         Drinking Water         06/16/16 00:00			

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Assa A Zomenighini

Lisa Domenighini, Client Services Manager

PBS Engineering and Environmental	Project: Reynolds School-Alder	
4412 SW Corbett Ave	Project Number: [none]	Reported:
Portland, OR 97239	Project Manager: Rich Dufresne	07/29/16 14:32

#### ANALYTICAL SAMPLE RESULTS

	То	tal Metals	s in Drinking W	ater by EP	A 200.8 (ICP	MS)		
			Reporting					
Analyte	Result	MDL	Limit	Units	Dilution	Date Analyzed	Method	Notes
ALD 01 (A6F0737-01)			Matrix: Drinki	ng Water				
Batch: 6070184				_				
Lead	27.9		0.200	ug/L	1	07/08/16 13:03	EPA 200.8	
ALD 02 (A6F0737-02)			Matrix: Drinki	ng Water				
Batch: 6070788								
Lead	66.3		0.500	ug/L	1	07/26/16 17:39	EPA 200.8	DW-D
ALD 03 (A6F0737-03)			Matrix: Drinki	ng Water				
Batch: 6070184								
Lead	3.17		0.200	ug/L	1	07/08/16 13:04	EPA 200.8	
ALD 04 (A6F0737-04)			Matrix: Drinki	ng Water				
Batch: 6070788								
Lead	16.6		0.500	ug/L	1	07/26/16 17:45	EPA 200.8	DW-D
ALD 05 (A6F0737-05)			Matrix: Drinki	ng Water				
Batch: 6070788								
Lead	23.3		0.500	ug/L	1	07/26/16 17:49	EPA 200.8	DW-D
ALD 06 (A6F0737-06)			Matrix: Drinki	ng Water				
Batch: 6070788								
Lead	23.1		0.500	ug/L	1	07/26/16 17:53	EPA 200.8	DW-D
ALD 07 (A6F0737-07)			Matrix: Drinki	ng Water				
Batch: 6070788								
Lead	32.4		0.500	ug/L	1	07/26/16 17:55	EPA 200.8	DW-D
ALD 08 (A6F0737-08)			Matrix: Drinki	ng Water				
Batch: 6070788								
Lead	29.1		0.500	ug/L	1	07/26/16 17:57	EPA 200.8	DW-D
ALD 09 (A6F0737-09)			Matrix: Drinki	ng Water				
Batch: 6070788								
Lead	54.2		0.500	ug/L	1	07/26/16 17:59	EPA 200.8	DW-D
ALD 10 (A6F0737-10)			Matrix: Drinki	ng Water				
Batch: 6070788								
Lead	14.0		0.500	ug/L	1	07/26/16 18:01	EPA 200.8	DW-D
ALD 11 (A6F0737-11)			Matrix: Drinki	ng Water				
Batch: 6070788								
Lead	4.26		0.500	ug/L	1	07/26/16 18:03	EPA 200.8	DW-D
ALD 12 (A6F0737-12)			Matrix: Drinki	ng Water				

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Assa A Zomenighini

PBS Engineering and Environmental	Project: Reynolds School-Alder	
4412 SW Corbett Ave	Project Number: [none]	Reported:
Portland, OR 97239	Project Manager: Rich Dufresne	07/29/16 14:32

#### ANALYTICAL SAMPLE RESULTS

	Tc	otal Metals	s in Drinking W	ater by EPA	A 200.8 (ICP	MS)		
			Reporting					
Analyte	Result	MDL	Limit	Units	Dilution	Date Analyzed	Method	Notes
ALD 12 (A6F0737-12)			Matrix: Drinki	ng Water				
Batch: 6070184								
Lead	ND		0.200	ug/L	1	07/08/16 13:06	EPA 200.8	
ALD 13 (A6F0737-13)			Matrix: Drinki	ng Water				
Batch: 6070184								
Lead	ND		0.200	ug/L	1	07/08/16 13:08	EPA 200.8	
ALD 14 (A6F0737-14)			Matrix: Drinki	ng Water				
Batch: 6070788								
Lead	2.52		0.500	ug/L	1	07/26/16 18:24	EPA 200.8	DW-D
ALD 15 (A6F0737-15)			Matrix: Drinki	ng Water				
Batch: 6070184								
Lead	1.67		0.200	ug/L	1	07/08/16 13:14	EPA 200.8	
ALD 16 (A6F0737-16)			Matrix: Drinki	ng Water				
Batch: 6070184								
Lead	3.27		0.200	ug/L	1	07/08/16 13:16	EPA 200.8	
ALD 17 (A6F0737-17RE1)			Matrix: Drinki	ng Water				
Batch: 6070788								
Lead	901		2.00	ug/L	10	07/27/16 17:31	EPA 200.8	DW-D
ALD 18 (A6F0737-18)			Matrix: Drinki	ng Water				
Batch: 6070788								
Lead	33.7		0.500	ug/L	1	07/26/16 18:28	EPA 200.8	DW-D
ALD 19 (A6F0737-19)			Matrix: Drinki	ng Water				
Batch: 6070788								
Lead	188		0.500	ug/L	1	07/26/16 18:30	EPA 200.8	DW-D
ALD 20 (A6F0737-20)			Matrix: Drinki	ng Water				
Batch: 6070184								
Lead	91.4		0.200	ug/L	1	07/08/16 13:17	EPA 200.8	
ALD 21 (A6F0737-21)			Matrix: Drinki	ng Water				
Batch: 6070788								
Lead	159		0.500	ug/L	1	07/26/16 18:32	EPA 200.8	DW-D
ALD 22 (A6F0737-22)			Matrix: Drinki	ng Water				
Batch: 6070788								
Lead	231		0.500	ug/L	1	07/26/16 18:34	EPA 200.8	DW-D
ALD 23 (A6F0737-23)			Matrix: Drinki	ng Water				

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Assa A Zomenighini

PBS Engineering and Environmental	Project: Reynolds School-Alder	
4412 SW Corbett Ave	Project Number: [none]	Reported:
Portland, OR 97239	Project Manager: Rich Dufresne	07/29/16 14:32

#### ANALYTICAL SAMPLE RESULTS

	Тс	tal Metals	in Drinking W	later by EPA	A 200.8 (ICP	MS)		
			Reporting					
Analyte	Result	MDL	Limit	Units	Dilution	Date Analyzed	Method	Notes
ALD 23 (A6F0737-23)			Matrix: Drink	ing Water				
Batch: 6070788								
Lead	96.9		0.500	ug/L	1	07/26/16 18:36	EPA 200.8	DW-E
ALD 24 (A6F0737-24)			Matrix: Drink	ing Water				
Batch: 6070788								
Lead	38.4		0.500	ug/L	1	07/26/16 18:38	EPA 200.8	DW-D
ALD 25 (A6F0737-25)			Matrix: Drink	ing Water				
Batch: 6070184								
Lead	0.867		0.200	ug/L	1	07/08/16 13:18	EPA 200.8	
ALD 26 (A6F0737-26)			Matrix: Drink	ing Water				
Batch: 6070788								
Lead	52.6		0.500	ug/L	1	07/26/16 18:40	EPA 200.8	DW-D
ALD 27 (A6F0737-27)			Matrix: Drink	ing Water				
Batch: 6070184								
Lead	20.3		0.200	ug/L	1	07/08/16 13:20	EPA 200.8	
ALD 28 (A6F0737-28)			Matrix: Drink	ing Water				
Batch: 6070788								
Lead	84.7		0.500	ug/L	1	07/26/16 18:48	EPA 200.8	DW-D
ALD 29 (A6F0737-29)			Matrix: Drink	ing Water				
Batch: 6070793								
Lead	391		0.500	ug/L	1	07/26/16 20:19	EPA 200.8	DW-D
ALD 30 (A6F0737-30)			Matrix: Drink	ing Water				
Batch: 6070184								
Lead	28.4		0.200	ug/L	1	07/08/16 13:21	EPA 200.8	
ALD 31 (A6F0737-31)			Matrix: Drink	ing Water				
Batch: 6070793								
Lead	305		0.500	ug/L	1	07/26/16 20:21	EPA 200.8	DW-D
ALD 32 (A6F0737-32)			Matrix: Drink	ing Water				
Batch: 6070793								
Lead	202		0.500	ug/L	1	07/26/16 20:23	EPA 200.8	DW-D
ALD 33 (A6F0737-33)			Matrix: Drink	ing Water				
Batch: 6070793								
Lead	108		0.500	ug/L	1	07/26/16 20:27	EPA 200.8	DW-D
ALD 34 (A6F0737-34)			Matrix: Drink	ing Water				

Apex Laboratories

Assa A Zomenighini

4412 SW Corbett AveProject Number: [none]Reported:Portland, OR 97239Project Manager: Rich Dufresne07/29/16 14:32	PBS Engineering and Environmental	Project: Reynolds School-Alder	
Portland, OR 97239 Project Manager: Rich Dufresne 07/29/16 14:32	4412 SW Corbett Ave	Project Number: [none]	Reported:
	Portland, OR 97239	Project Manager: Rich Dufresne	07/29/16 14:32

#### ANALYTICAL SAMPLE RESULTS

	То	otal Metals	s in Drinking V	ater by EPA	A 200.8 (ICP	MS)		
			Reporting					
Analyte	Result	MDL	Limit	Units	Dilution	Date Analyzed	Method	Notes
ALD 34 (A6F0737-34)			Matrix: Drink	ing Water				
Batch: 6070793								
Lead	132		0.500	ug/L	1	07/26/16 20:31	EPA 200.8	DW-D
ALD 35 (A6F0737-35)			Matrix: Drink	ing Water				
Batch: 6070793								
Lead	99.0		0.500	ug/L	1	07/26/16 20:33	EPA 200.8	DW-D
ALD 36 (A6F0737-36)			Matrix: Drink	ing Water				
Batch: 6070793								
Lead	32.1		0.200	ug/L	1	07/27/16 16:49	EPA 200.8	DW-D
ALD 37 (A6F0737-37)			Matrix: Drink	ing Water				
Batch: 6070184								
Lead	ND		0.200	ug/L	1	07/08/16 13:23	EPA 200.8	
ALD 38 (A6F0737-38)			Matrix: Drink	ing Water				
Batch: 6070184								
Lead	0.278		0.200	ug/L	1	07/08/16 13:24	EPA 200.8	
ALD 39 (A6F0737-39)			Matrix: Drink	ing Water				
Batch: 6070184								
Lead	7.11		0.200	ug/L	1	07/08/16 13:26	EPA 200.8	
ALD 40 (A6F0737-40)			Matrix: Drink	ing Water				
Batch: 6070184								
Lead	8.94		0.200	ug/L	1	07/08/16 13:30	EPA 200.8	
ALD 41 (A6F0737-41)			Matrix: Drink	ing Water				
Batch: 6070184								
Lead	3.40		0.200	ug/L	1	07/08/16 13:31	EPA 200.8	

Apex Laboratories

Assa A Zomenighini

Lisa Domenighini, Client Services Manager

PBS Engineering and Environmental	Project: R	eynolds School-Alder	
4412 SW Corbett Ave	Project Number: [r	none]	Reported:
Portland, OR 97239	Project Manager: R	ich Dufresne	07/29/16 14:32

#### **QUALITY CONTROL (QC) SAMPLE RESULTS**

L		.00	al Metals in					-1				
Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Note
Batch 6070184 - Matrix Ma	tched Dir	ect Inject					Dri	nking Wa	ter			
Blank (6070184-BLK1)				Prep	pared: 07/	07/16 16:46	Analyzed:	07/08/16 13	:00			
EPA 200.8												
Lead	ND		0.200	ug/L	1							
LCS (6070184-BS1)				Prej	pared: 07/	07/16 16:46	Analyzed:	07/08/16 13	:01			
EPA 200.8												
Lead	17.2		0.200	ug/L	1	16.7		103	85-115%			
Duplicate (6070184-DUP1)				Prej	pared: 07/	07/16 16:46	Analyzed:	07/08/16 13	:07			
QC Source Sample: ALD 12 (A6F0	737-12)											
EPA 200.8												
Lead	ND		0.200	ug/L	1		ND				20%	
Matrix Spike (6070184-MS1)	Prepared: 07/07/16 16:46 Analyzed: 07/08/16 13:13											
QC Source Sample: ALD 13 (A6F0	737-13)											
EPA 200.8												
Lead	16.6		0.200	ug/L	1	16.7	ND	99	70-130%			
Batch 6070788 - EPA 3015	Α						Dri	nking Wa	ter			
Blank (6070788-BLK1)				Prej	pared: 07/	26/16 13:12						
EPA 200.8												
Lead	ND		0.500	ug/L	1							
LCS (6070788-BS1)				Prep	pared: 07/	26/16 13:12	Analyzed:	07/26/16 17	:35			
EPA 200.8												
Lead	16.4		0.500	ug/L	1	16.7		99	85-115%			
Duplicate (6070788-DUP1)				Prej	pared: 07/	26/16 13:12	Analyzed:	07/26/16 17	':47			
QC Source Sample: ALD 04 (A6F0 EPA 200.8	0737-04)											
Lead	16.8		0.500	ug/L	1		16.6			1	20%	
Matrix Spiles (6070700 MS1)				-	parad: 07/	26/16 12.12	Analyzad	07/26/16 17	.51			
Matrix Spike (6070788-MS1)				Prej		26/16 13:12	Analyzed:	0//20/10 1/	.31			
QC Source Sample: ALD 05 (A6F0 EPA 200.8	0737-05)											

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PBS Engineering and Environmental	Project: Reynolds School-Alder	
4412 SW Corbett Ave	Project Number: [none]	Reported:
Portland, OR 97239	Project Manager: Rich Dufresne	07/29/16 14:32

### **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
atch 6070788 - EPA 3015A Drinking Water												
Matrix Spike (6070788-MS1)	Prepared:         07/26/16         13:12         Analyzed:         07/26/16         17:51											
QC Source Sample: ALD 05 (A6F0	737-05)											
Lead	41.3		0.500	ug/L	1	16.7	23.3	108	70-130%			
Matrix Spike (6070788-MS2)				Pre	pared: 07	/26/16 13:12	Analyzed:	07/26/16 18	8:50			
QC Source Sample: ALD 28 (A6F0	737-28)											
EPA 200.8												
Lead	106		0.500	ug/L	1	16.7	84.7	128	70-130%			

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Lisa Domenighini, Client Services Manager

1	PBS Engineering and Environmental	Project:	Reynolds School-Alder	
4	4412 SW Corbett Ave	Project Number:	[none]	Reported:
1	Portland, OR 97239	Project Manager:	Rich Dufresne	07/29/16 14:32

#### **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
atch 6070793 - EPA 3015A Drinking Water												
Blank (6070793-BLK1)	Prepared: 07/26/16 15:06 Analyzed: 07/26/16 20:15											
EPA 200.8												
Lead	ND		0.500	ug/L	1							
LCS (6070793-BS1)	Prepared: 07/26/16 15:06 Analyzed: 07/26/16 20:17											
EPA 200.8												
Lead	16.0		0.500	ug/L	1	16.7		96	85-115%			
Duplicate (6070793-DUP1)				Pre	pared: 07/	26/16 15:06	Analyzed:	07/26/16 20	):25			
QC Source Sample: ALD 32 (A6F0'	737-32)											
EPA 200.8												
Lead	203		0.500	ug/L	1		202			0.5	20%	
Matrix Spike (6070793-MS1)				Pre	pared: 07/	26/16 15:06	Analyzed:	07/26/16 20	):29			
QC Source Sample: ALD 33 (A6F0'	737-33)											
EPA 200.8												
Lead	125		0.500	ug/L	1	16.7	108	103	70-130%			

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PBS Engineering and Environmental	Project: Reynolds School-Alder					
4412 SW Corbett Ave	Project Number: [none]	Reported:				
Portland, OR 97239	Project Manager: Rich Dufresne	07/29/16 14:32				
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SAMPLE	PREPARA	ATION II	NFORMA	TION

		Total I	Netals III Drinking Wa	ter by EPA 200.8 (ICP	•		
Prep: EPA 3015A					Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
Batch: 6070788							
A6F0737-02	Drinking Wa	EPA 200.8	06/16/16 00:00	07/26/16 13:12	45mL/50mL	45mL/50mL	1.00
A6F0737-04	Drinking Wa	EPA 200.8	06/16/16 00:00	07/26/16 13:12	45mL/50mL	45mL/50mL	1.00
A6F0737-05	Drinking Wa	EPA 200.8	06/16/16 00:00	07/26/16 13:12	45mL/50mL	45mL/50mL	1.00
A6F0737-06	Drinking Wa	EPA 200.8	06/16/16 00:00	07/26/16 13:12	45mL/50mL	45mL/50mL	1.00
A6F0737-07	Drinking Wa	EPA 200.8	06/16/16 00:00	07/26/16 13:12	45mL/50mL	45mL/50mL	1.00
A6F0737-08	Drinking Wa	EPA 200.8	06/16/16 00:00	07/26/16 13:12	45mL/50mL	45mL/50mL	1.00
A6F0737-09	Drinking Wa	EPA 200.8	06/16/16 00:00	07/26/16 13:12	45mL/50mL	45mL/50mL	1.00
A6F0737-10	Drinking Wa	EPA 200.8	06/16/16 00:00	07/26/16 13:12	45mL/50mL	45mL/50mL	1.00
A6F0737-11	Drinking Wa	EPA 200.8	06/16/16 00:00	07/26/16 13:12	45mL/50mL	45mL/50mL	1.00
A6F0737-14	Drinking Wa	EPA 200.8	06/16/16 00:00	07/26/16 13:12	45mL/50mL	45mL/50mL	1.00
A6F0737-17RE1	Drinking Wa	EPA 200.8	06/16/16 00:00	07/26/16 13:12	45mL/50mL	45mL/50mL	1.00
A6F0737-18	Drinking Wa	EPA 200.8	06/16/16 00:00	07/26/16 13:12	45mL/50mL	45mL/50mL	1.00
A6F0737-19	Drinking Wa	EPA 200.8	06/16/16 00:00	07/26/16 13:12	45mL/50mL	45mL/50mL	1.00
A6F0737-21	Drinking Wa	EPA 200.8	06/16/16 00:00	07/26/16 13:12	45mL/50mL	45mL/50mL	1.00
A6F0737-22	Drinking Wa	EPA 200.8	06/16/16 00:00	07/26/16 13:12	45mL/50mL	45mL/50mL	1.00
A6F0737-23	Drinking Wa	EPA 200.8	06/16/16 00:00	07/26/16 13:12	45mL/50mL	45mL/50mL	1.00
A6F0737-24	Drinking Wa	EPA 200.8	06/16/16 00:00	07/26/16 13:12	45mL/50mL	45mL/50mL	1.00
A6F0737-26	Drinking Wa	EPA 200.8	06/16/16 00:00	07/26/16 13:12	45mL/50mL	45mL/50mL	1.00
A6F0737-28	Drinking Wa	EPA 200.8	06/16/16 00:00	07/26/16 13:12	45mL/50mL	45mL/50mL	1.00
Batch: 6070793							
A6F0737-29	Drinking Wa	EPA 200.8	06/16/16 00:00	07/26/16 15:06	45mL/50mL	45mL/50mL	1.00
A6F0737-31	Drinking Wa	EPA 200.8	06/16/16 00:00	07/26/16 15:06	45mL/50mL	45mL/50mL	1.00
A6F0737-32	Drinking Wa	EPA 200.8	06/16/16 00:00	07/26/16 15:06	45mL/50mL	45mL/50mL	1.00
A6F0737-33	Drinking Wa	EPA 200.8	06/16/16 00:00	07/26/16 15:06	45mL/50mL	45mL/50mL	1.00
A6F0737-34	Drinking Wa	EPA 200.8	06/16/16 00:00	07/26/16 15:06	45mL/50mL	45mL/50mL	1.00
A6F0737-35	Drinking Wa	EPA 200.8	06/16/16 00:00	07/26/16 15:06	45mL/50mL	45mL/50mL	1.00
A6F0737-36	Drinking Wa	EPA 200.8	06/16/16 00:00	07/26/16 15:06	45mL/50mL	45mL/50mL	1.00
Prep: Matrix Match					Sample	Default	RL Pre
		_	Commission d	Durana	Initial/Final	Initial/Final	Factor
Lab Number Batch: 6070184	Matrix	Method	Sampled	Prepared			
	Drinl-in - W	EDA 200.9	06/16/16 00:00	07/07/16 16.46	45m 1 /50 1	45mm /50 mm	1.00
A6F0737-01	Drinking Wa	EPA 200.8	06/16/16 00:00	07/07/16 16:46	45mL/50mL	45mL/50mL	1.00
A6F0737-03	Drinking Wa	EPA 200.8	06/16/16 00:00	07/07/16 16:46	45mL/50mL	45mL/50mL	1.00
A6F0737-12	Drinking Wa	EPA 200.8	06/16/16 00:00	07/07/16 16:46	45mL/50mL	45mL/50mL	1.00

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PBS Engineering and Environmental	Project:	Reynolds School-Alder					
4412 SW Corbett Ave	Project Number:	[none]	Reported:				
Portland, OR 97239	Project Manager:	Rich Dufresne	07/29/16 14:32				
SAMDI Ε DDEDADATION ΙΝΕΩDΜΑΤΙΩΝ							

## SAMPLE PREPARATION INFORMATION

Total Metals in Drinking Water by EPA 200.8 (ICPMS)							
Prep: Matrix Matcl	hed Direct Injec	<u>et</u>			Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
A6F0737-13	Drinking Wa	EPA 200.8	06/16/16 00:00	07/07/16 16:46	45mL/50mL	45mL/50mL	1.00
A6F0737-15	Drinking Wa	EPA 200.8	06/16/16 00:00	07/07/16 16:46	45mL/50mL	45mL/50mL	1.00
A6F0737-16	Drinking Wa	EPA 200.8	06/16/16 00:00	07/07/16 16:46	45mL/50mL	45mL/50mL	1.00
A6F0737-20	Drinking Wa	EPA 200.8	06/16/16 00:00	07/07/16 16:46	45mL/50mL	45mL/50mL	1.00
A6F0737-25	Drinking Wa	EPA 200.8	06/16/16 00:00	07/07/16 16:46	45mL/50mL	45mL/50mL	1.00
A6F0737-27	Drinking Wa	EPA 200.8	06/16/16 00:00	07/07/16 16:46	45mL/50mL	45mL/50mL	1.00
A6F0737-30	Drinking Wa	EPA 200.8	06/16/16 00:00	07/07/16 16:46	45mL/50mL	45mL/50mL	1.00
A6F0737-37	Drinking Wa	EPA 200.8	06/16/16 00:00	07/07/16 16:46	45mL/50mL	45mL/50mL	1.00
A6F0737-38	Drinking Wa	EPA 200.8	06/16/16 00:00	07/07/16 16:46	45mL/50mL	45mL/50mL	1.00
A6F0737-39	Drinking Wa	EPA 200.8	06/16/16 00:00	07/07/16 16:46	45mL/50mL	45mL/50mL	1.00
A6F0737-40	Drinking Wa	EPA 200.8	06/16/16 00:00	07/07/16 16:46	45mL/50mL	45mL/50mL	1.00
A6F0737-41	Drinking Wa	EPA 200.8	06/16/16 00:00	07/07/16 16:46	45mL/50mL	45mL/50mL	1.00

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Lisa Domenighini, Client Services Manager



PBS Engineering and Environmental	Project: Reynolds School-Alder	
4412 SW Corbett Ave	Project Number: [none]	Reported:
Portland, OR 97239	Project Manager: Rich Dufresne	07/29/16 14:32

#### **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 ½ 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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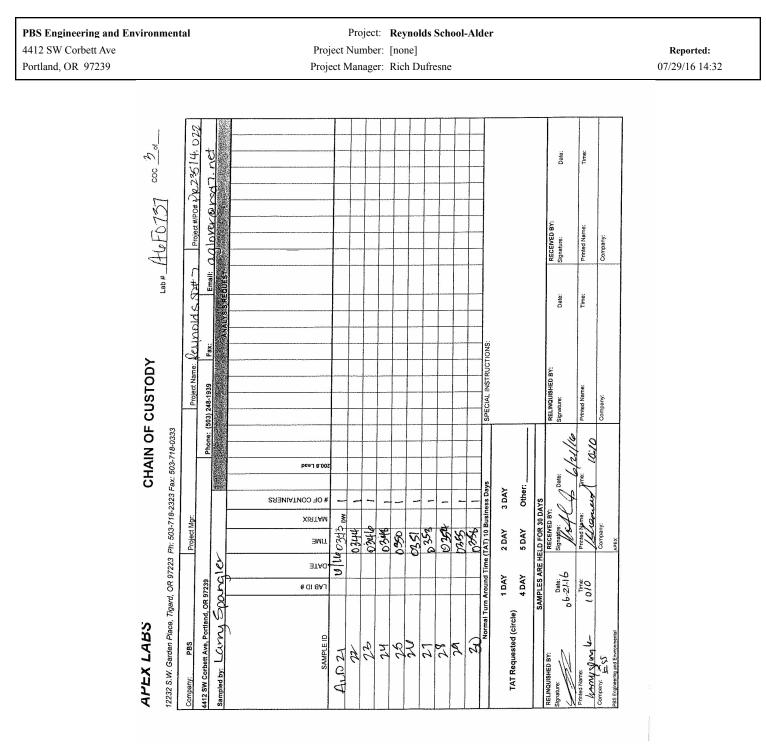
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	CHAIN OF CUSTODY	12232 S.W. Garden Place, ligard, OR 97223 Ph: 503-716-2323 Fax: 503-718-0333	Project Mgr:	OR 97239 Phone:		# D BA PTE IME OF CONTAINERS OF CONTAINERS 0.6 Lead	10(1, h 24b)	033.7 · · · · · · · · · · · · · · · · · · ·	m3C3		1 2040	032	0224 1	0337 1	b 339	Dath I	urn Around Time (TAT) 10 Business Days	1 DAY 2 DAY	4 DAY 5 DAY Other:	Date: Lo Calle			
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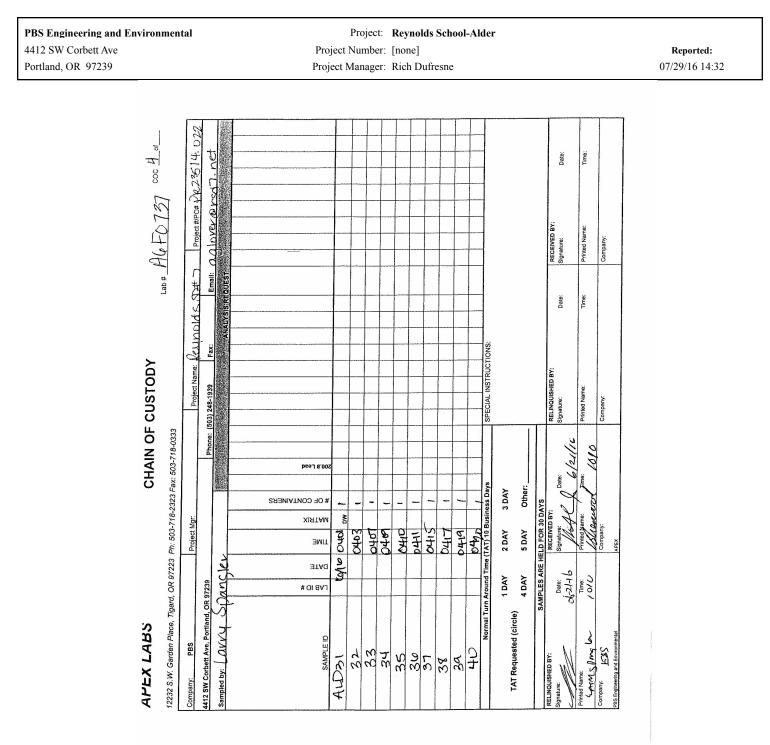


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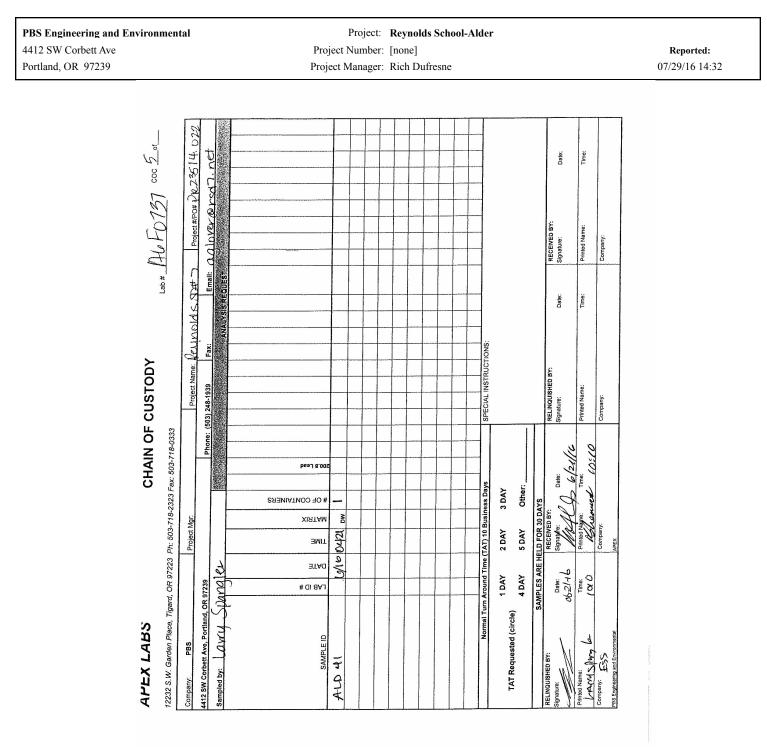


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