



Thursday, September 14, 2017

Shouka Rezvani
Le Monde Immersion Charter School
shouka@lemondeimmersion.org
Project 17-17709

Subject: *Lead in Drinking Water Testing at 2408 SE 16th Ave, Portland, OR 97214.*

Dear Mr. Shouka Rezvani

Alpha Environmental Services (Alpha) is pleased to provide you with the results of our lead in drinking water testing at the site of 2408 SE 16th Ave, Portland, OR 97214.

Scope

Alpha conducted the water sample collection on September 8, 2017, when Alpha staff member, Chris Aguilar under the supervision of Rodolfo Gomez a licensed Lead Risk Assessor (No. 1731) obtained the drinking water samples from the girl’s bathroom and the drinking fountain from the school according to the agreed scope of work. The samples were kept on ice and delivered to an Oregon certified drinking water laboratory for analysis.

Lead

EPA's recommended action level for lead in drinking water is 15 parts per billion (ppb). This is equivalent to micrograms per liter (µg/L). The data from the laboratory may be expressed in milligrams per liter (mg/L).

In general, lead concentrations in drinking water usually are the highest in the first water out of the tap after the water has been sitting in the piping for a few hours; they decrease as the water is run. If lead pipes, leaded solder, or brass fixtures are present, even relatively noncorrosive water can dissolve small amounts of lead if the water sits in contact with these materials for more than a few hours.

Results

Lead in Drinking Water Summary				
Sample ID	Location	Results in ppb or µg/L	Results in ppm or mg/L	Notes
17-17709 L-1	Girls Bathroom	0.578	0.000578	-
17-17709 L-2	Drinking Fountain	0.877	0.000877	-

Limitations

There is a possibility that conditions may exist at the Property that were not identified within the scope of the limited testing. The testing is not intended to produce all-inclusive or comprehensive results, but rather to provide the client and interested parties with an indication of drinking water conditions in specifically targeted locations of the property at this time.

Alpha relied upon the certain information pertaining to the structure and did not attempt to independently verify its accuracy or completeness. Alpha assumes no responsibility for any consequence arising from any



information or condition that was concealed, withheld, misrepresented, or otherwise not fully disclosed or available to Alpha.

No representations or warranties are made concerning the nature or quality of the water on the Property, other than the immediate subject sampling location as stated in this report. It is possible that lead in drinking water impacts may exist on the Property, that were not identified during the sampling.

Use Reliance

All reports, both verbal and written, are for the benefit of Shouka Rezvani of Le Monde Immersion Charter School and may be furnished by him to any and all interested parties.

Closing

We appreciate the opportunity to provide environmental services to you. If you have any questions concerning this report, or if we can assist you in any other matter, please contact Jim Cooper or any one of our qualified staff members at (503) 292-5346.

Sincerely,

A handwritten signature in black ink, appearing to read "Jim Cooper".

Jim Cooper, R.G.
Senior Geologist
Alpha Environmental Services, Inc.

Apex Labs

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

Thursday, September 14, 2017

Jim Cooper
Alpha Environmental
11080 SW Allen Blvd, Suite 100
Beaverton, OR 97005

RE: 2408 SE 16th Ave/17-17709

Enclosed are the results of analyses for work order A710208, which was received by the laboratory on 9/8/2017 at 5:00:00PM.

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: KFriscia@apex-labs.com, or by phone at 503-718-2323.

Apex Laboratories



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Kevin J. Friscia For Darwin Thomas, Business Development Director

Alpha Environmental
11080 SW Allen Blvd, Suite 100
Beaverton, OR 97005

Project#: 2408 SE 16th Ave/17-17709

Project Manager: Jim Cooper

Reported:
09/14/17 10:20

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
17-17709 L-1	A7I0208-01	Drinking Water	09/08/17 14:50	09/08/17 17:00
17-17709 L-2	A7I0208-02	Drinking Water	09/08/17 14:50	09/08/17 17:00

Apex Laboratories



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Alpha Environmental
 11080 SW Allen Blvd, Suite 100
 Beaverton, OR 97005

Project#: 2408 SE 16th Ave/17-17709

Project Manager: Jim Cooper

Reported:
 09/14/17 10:20

ANALYTICAL SAMPLE RESULTS

Total Metals in Drinking Water by EPA 200.8 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
17-17709 L-1 (A710208-01)								
Matrix: Drinking Water								
Batch: 7090503								
Lead	0.578	---	0.200	ug/L	1	09/12/17 13:39	EPA 200.8	
17-17709 L-2 (A710208-02)								
Matrix: Drinking Water								
Batch: 7090503								
Lead	0.877	---	0.200	ug/L	1	09/12/17 13:43	EPA 200.8	

Apex Laboratories



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Project#: 2408 SE 16th Ave/17-17709

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 Beaverton, OR 97005

Project Manager: Jim Cooper

Reported:
 09/14/17 10:20

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
Batch 7090503 - Matrix Matched Direct Inject						Drinking Water						
Blank (7090503-BLK1)						Prepared: 09/11/17 16:10 Analyzed: 09/12/17 13:19						
EPA 200.8												
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	---
LCS (7090503-BS1)						Prepared: 09/11/17 16:10 Analyzed: 09/12/17 13:26						
EPA 200.8												
Lead	17.1	---	0.200	ug/L	1	16.7	---	103	85-115%	---	---	---
Matrix Spike (7090503-MS1)						Prepared: 09/11/17 16:10 Analyzed: 09/12/17 13:41						
QC Source Sample: 17-17709 L-1 (A710208-01)												
EPA 200.8												
Lead	18.3	---	0.200	ug/L	1	16.7	0.578	106	70-130%	---	---	---

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Alpha Environmental

Project/#: 2408 SE 16th Ave/17-17709

11080 SW Allen Blvd, Suite 100
 Beaverton, OR 97005

Project Manager: Jim Cooper

Reported:
 09/14/17 10:20

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
Batch: 7090503							
A710208-01	Drinking Wa	EPA 200.8	09/08/17 14:50	09/11/17 16:10	45mL/50mL	45mL/50mL	1.00
A710208-02	Drinking Wa	EPA 200.8	09/08/17 14:50	09/11/17 16:10	45mL/50mL	45mL/50mL	1.00

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Notes and Definitions

Qualifiers:

Notes and Conventions:

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

Apex Laboratories



Kevin J. Friscia For Darwin Thomas, Business Development Director

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11080 SW Allen Blvd, Suite 100
Beaverton, OR 97005

Project#: 2408 SE 16th Ave/17-17709

Project Manager: Jim Cooper

Reported:
09/14/17 10:20

APEX LABS

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

Company: Alpha Environmental Project Mgr: Jim Cooper

Address: 2408 SE 16th Ave

Sampled by: Chris A

Site Location: (PK) WA
Other: _____

SAMPLE ID: L-1
L-2

CHAIN OF CUSTODY

Lab # 110208

PO# 17-17709

Project Name: Lead Testing

Phone: 503-292-5346 Fax: 503-627-0442 Email: Jim@alphaenvironmental.com

ANALYSIS REQUEST		
LAB ID #	DATE	TIME
1	9/17/17	2:50 PM
2	9/17/17	2:50 PM
3		
4		
5		
6		
7		
8		
9		
10		

SAMPLE ID	DATE	TIME	MATRIX	# OF CONTAINERS	YES	NO
NWTRH-HCID					<input checked="" type="checkbox"/>	<input type="checkbox"/>
NWTRH-DX					<input type="checkbox"/>	<input type="checkbox"/>
NWTRH-GA					<input type="checkbox"/>	<input type="checkbox"/>
8260 VOCs Full List					<input type="checkbox"/>	<input type="checkbox"/>
8260 RBDM VOCs					<input type="checkbox"/>	<input type="checkbox"/>
8260 HYOCs					<input type="checkbox"/>	<input type="checkbox"/>
8260 BTEX VOCs					<input type="checkbox"/>	<input type="checkbox"/>
8270 SVOC					<input type="checkbox"/>	<input type="checkbox"/>
8270 SIM PAHs					<input type="checkbox"/>	<input type="checkbox"/>
8082 PCBs					<input type="checkbox"/>	<input type="checkbox"/>
600 TIO					<input type="checkbox"/>	<input type="checkbox"/>
RCRA Metals (8)					<input checked="" type="checkbox"/>	<input type="checkbox"/>
TCLP Metals (8)					<input checked="" type="checkbox"/>	<input type="checkbox"/>
AL, Sb, As, Ba, Be, Br, Ca, Cr, Cu, Fe, Ni, Pb, Mn, Mg, Zn					<input type="checkbox"/>	<input type="checkbox"/>
As, Cd, Hg, Ni, Pb, Se, TC, Tl, V, Zn					<input type="checkbox"/>	<input type="checkbox"/>
TOTAL DISS TCTP					<input type="checkbox"/>	<input type="checkbox"/>
1200-CO,LS					<input type="checkbox"/>	<input type="checkbox"/>
1200-Z					<input type="checkbox"/>	<input type="checkbox"/>

Normal Turn Around Time (TAT) = 10 Business Days

TAT Requested (circle): 3 Day Other: _____

SPECIAL INSTRUCTIONS:

RELIQUISHED BY: Katie Stock Signature: [Signature] Date: 9/18/17
Printed Name: Katie Stock Time: 4:13 pm

Company: Alpha

RECEIVED BY: _____ Signature: _____ Date: _____
Printed Name: _____ Time: _____

Company: _____

Alpha Environmental
11080 SW Allen Blvd, Suite 100
Beaverton, OR 97005

Project#: 2408 SE 16th Ave/17-17709

Project Manager: Jim Cooper

Reported:
09/14/17 10:20

APEX LABS COOLER RECEIPT FORM

Client: Alpha Element WO#: A7 10208

Project/Project #: Lead testing 5

Delivery info:

Date/Time Received: 9/8/17 @ 1700 By: JS

Delivered by: Apex Client ESS FedEx UPS Swift Senvoy SDS Other

Cooler Inspection Inspected by: JS : 9/8/17 @ 1700

Chain of Custody Included? Yes No Custody Seals? Yes No

Signed/Dated by Client? Yes No

Signed/Dated by Apex? Yes No

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (deg. C)							
Received on Ice (Y/N)							
Temp. Blanks (Y/N)	<u>3.9</u>						
Ice Type: (Gel/Real/Other)							
Condition:	<u>good</u>						

Temperature (deg. C)

Received on Ice (Y/N)

Temp. Blanks (Y/N)

Ice Type: (Gel/Real/Other)

Condition:

Cooler out of temp? (Y/N) Possible reason why:

If some coolers are in temp and some out, were green dot applied to out of temperature samples? Yes/No/NA NA

Samples Inspection: Inspected by: JS : 9/8/17 @ 1714

All Samples Intact? Yes No Comments:

Bottle Labels/COCs agree? Yes No Comments: Sample labels read

L-1 girls bathroom, L-2 drinking fountain

Containers Volumes Received Appropriate for Analysis? Yes No Comments:

Do VOA Vials have Visible Headspace? Yes No NA

Comments:

Water Samples: pH Checked and Appropriate (except VOAs): Yes No NA

Comments:

Additional Information:

Labeled by: JS Witness: JS Cooler Inspected by: JS See Project Contact Form: Y