

August 30, 2017

Pasco School District No. 1
Attn: Randy D. Nunamaker, Executive Director of Operations
1215 West Lewis Street
Pasco, Washington, 99301

**RE: Winter 2016 Drinking Water Sampling Results
Emerson Elementary School, 1616 West Octave Street, Pasco, Washington**

Dear Randy:

On Thursday, November 10, 2016, Fulcrum Environmental Consulting, Inc. (Fulcrum) collected 55 drinking water samples for lead and copper analysis from Emerson Elementary School (School) located at 1616 West Octave Street in Pasco, Washington. Initial sampling identified three fixture locations with copper concentrations above guidance levels. Fulcrum returned to the School on Tuesday, December 13, 2016 to collect samples after remediation of the fixture and found results below guidance levels. Sampling was completed as part of a District-wide project and all analysis was completed by Washington State Department of Ecology (Ecology) accredited laboratories.

Summary

The purpose of initial sampling was to evaluate current drinking water quality conditions with respect to lead and copper as a result of the increased national and local interest related to lead in drinking water. The intent of sampling was to meet the requirements of the pending regulations set forth in Washington Administrative Code (WAC) 246-366A-130 and 246-366A-135¹. Consistent with the regulations, Fulcrum completed sampling at the rates of at least 50% of plumbing fixtures used regularly for drinking or cooking in elementary and preschools and at least 25% of drinking or cooking fixtures in middle schools, junior high schools, and high schools. In addition, Fulcrum sampled administrative facilities in the District at the same rate as elementary schools, of at least 50% of drinking and cooking fixtures.

Fulcrum completed initial sampling on November 10, 2016. Initial results identified three samples with a copper concentration above the Environmental Protection Agency (EPA) action level of 1,300 µg/L. Upon receipt of results, the District consulted with the Benton-Franklin Health District in development of a remedial action plan.

Copper is not a significant component in fixtures, but is the primary material in the plumbing system. To remediate elevated copper, the District aggressively flushed the fixtures with water to clear the plumbing of copper construction debris. Fulcrum returned on December 13, 2016 and collected samples to evaluate the success of the remediation. The follow-up samples yielded a result confirming the remediation was successful at reducing copper below the EPA action level. Following sampling and review of laboratory

¹ Washington State Department of Health, WAC 246-366A, *The Environmental Health and Safety Standards of Primary and Secondary Schools*, <http://apps.leg.wa.gov/WAC/default.aspx?cite=246-366A>, July 26, 2016

results, Benton-Franklin Health District supported Fulcrum's recommendation and the District's request to return the fixtures to service.

As all samples now report concentrations below lead and copper action levels, at this time Fulcrum does not recommend any additional sampling. However, consistent with industry practice and the intent of WAC 246-366A, Fulcrum recommends that the District complete re-sampling of the building within the next five years (before November 2021). Additionally, if WAC 246-366A-130 is enacted, the regulations would require testing of all remaining fixtures within two years of the effective date (July 1, 2017). See Figure 1 in Attachment A for fixture locations and laboratory results.

Sampling Methodology

As a portion of this project, Fulcrum prepared a Sampling and Analysis Plan (SAP) in consultation with the Benton-Franklin Health District intended to satisfy future initial sampling requirements under pending regulations.

For initial evaluation purposes, Fulcrum collected "first draw" samples. This "first draw" water volume consists of 250 milliliters (mL) and is intended to represent the water quality in the fixture, tubing connecting the fixture to the building piping, and potentially a portion of the building piping. If lead and copper are present, this first-draw sample typically contains the highest lead levels and indicates high copper from the associated building piping.

For most post-remediation evaluation sampling, Fulcrum collected three-part samples consisting of the first draw, "second draw", and "third draw" water volumes. Second and third draw samples are intended to represent the water quality of building piping and plumbing components behind the fixture and the water entering the building from the water main.

As a quality control measure, Fulcrum also included a laboratory blank of distilled water and a laboratory "spike" sample with known concentrations of lead and copper at the selected action levels for the project during all sampling events. Blank and spike sample results are included in the results tables for reference.

Blank and spike samples were used to evaluate laboratory performance. The reported lead and copper concentrations of quality assurance samples provided a metric to determine accuracy of the analyses. If the reported concentration of the spike sample differed from the action level, then the spike sample concentration was used as the action level.

Field evaluation of pH and temperature of drinking water was completed during the cold water flush and immediately following sample collection on select fixtures during the initial sampling event as a general evaluation of water quality.

Sampling Activities

Fulcrum's two-part sampling process consisted of an initial site visit the prior afternoon/evening to locate and flush each water sampling location (fixture). Sample collection occurred the following morning, after the fixture sat motionless for more than eight but no less than 18 hours, typically approximately 14 hours.

Initial Sampling

On the initial visit, Fulcrum flushed cold water through each fixture selected for sampling for approximately one minute. Following the flush, each fixture was covered and secured within a plastic bag. The plastic bags were marked with signage indicating testing was in progress and the fixture should not be used. Fulcrum returned to the school eight to 18 hours later to collect the samples. Each sample consisted of the first draw collected into 250-mL unpreserved polyethylene bottles and was immediately placed on ice in a chilled cooler.

Samples collected from the initial sampling event were delivered under chain of custody to RJ Lee Group's Columbia Basin Analytical Laboratory (Ecology Lab ID: C859-16) in Pasco, Washington for analysis.

Fixture Replacement and Flushing

Fixtures identified with elevated lead concentrations were replaced and preconditioned by running cold water continuously through the fixture for 24 hours, as specified in WAC 246-366A-130. Following replacement and preconditioning, Fulcrum collected follow-up samples to confirm the success of fixture replacement.

Fixtures producing elevated copper concentrations were generally identified in newer District buildings and were not associated with specific fixture styles. The relationship between building construction age and fixture styles indicates elevated copper concentrations are principally associated with construction debris in the plumbing system.

All fixtures with elevated copper were flushed aggressively by running water through the fixture at high flow with the aerator removed for approximately 30 minutes to clear the plumbing of any debris potentially causing elevated copper concentrations. Following an aggressive flush, fixtures were resampled to evaluate the effectiveness at reducing copper concentrations. The District elected to install filters on fixtures that did not respond to an aggressive flush. Filtered fixtures were resampled following filter installation to verify effectiveness of the filter.

Remedial Sampling

Remedial sampling typically consisted of first, second, and third draw samples from the fixture location and plumbing system in question. First draw samples were collected into 250 mL polyethylene bottles preserved with nitric acid. The second draw water volume consists of water collected into a 250 mL unpreserved polyethylene container immediately following the first draw. No water was lost between collection of the first and second draw samples. The third draw water volume is a 1,000 mL sample collected

into a one liter unpreserved polyethylene container after the fixture has been flushed for about three to five minutes.

Samples collected following remedial activities were shipped by common carrier under chain of custody to Fremont Analytical Laboratory (Ecology Lab ID: C910-16) in Seattle, Washington for analysis. Fremont was selected based on their availability to complete analysis on an expedited schedule.

Analytical Results

Samples from both initial and remedial sampling events were analyzed for lead and copper in drinking water by EPA Method 200.8.

Initial Sampling

Sample locations from the initial sampling event are presented in Figure 1 in Attachment A of this letter. A site-specific sampling and analysis plan (SSSAP) that provides a building specific summary of the location, number, and sampling frequency of water fixture locations is located in Attachment B. Initial analytical results are summarized in Table 1 located in Attachment C of this letter. Laboratory analytical results from the initial sampling event are located in Attachment D of this letter.

In addition, pH and temperature data from the initial sampling event is presented in Table 2 in Attachment C of this letter.

Remedial Sampling

Sample locations from the remedial sampling event are presented in Figure 1 in Attachment A of this letter. The remedial analytical results from this project are summarized in Table 3 located in Attachment C of this letter. Laboratory analytical results from the remedial sampling event are located in Attachment E of this letter.

Discussion

Initial Sampling

Analytical results identified three samples with a copper concentration above the EPA action level of 1,300 micrograms per liter (µg/L). Although samples contained detectable concentrations of lead, no samples were identified with lead concentrations above the EPA action level of 15 µg/L.

Remedial Sampling

Immediately following receipt of initial sampling results, the District removed the identified fixtures from service pending remediation and further testing. To remediate elevated copper concentrations, the District completed an aggressive flush of the fixture. Fulcrum returned on the morning following the aggressive flush, December 13, 2016, to collect follow-up samples.

Analytical results from remedial sampling indicated the aggressive flush was successful at reducing copper concentrations below the action level for the fixtures in question.

Recommendations

No samples were found to contain lead concentrations above the EPA action level of 15 µg/L. Three initial samples contained copper above the EPA action level of 1,300 µg/L. The District completed an aggressive flush to reduce the copper concentration of the fixture and a follow-up sample yielded results below the action level, confirming the remediation was successful. Following sampling and review of laboratory results, Benton-Franklin Health District supported Fulcrum's recommendation and the District's request to return the fixtures to service.

As all samples now report concentrations below lead and copper action levels, Fulcrum does not recommend any additional sampling at this time. However, consistent with industry practice and the intent of WAC 246-366A, Fulcrum recommends that the District complete re-sampling of the building within the next five years (before November 2021). Additionally, if WAC 246-366A-130 is enacted, the regulations would require testing of all remaining fixtures within two years of the effective date (July 1, 2017).

If you have any questions, please feel free to contact me at (509) 574-0839.

Sincerely,



Amanda Enbysk, GIT
Environmental Geologist

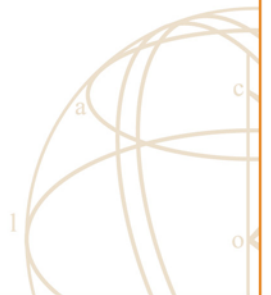


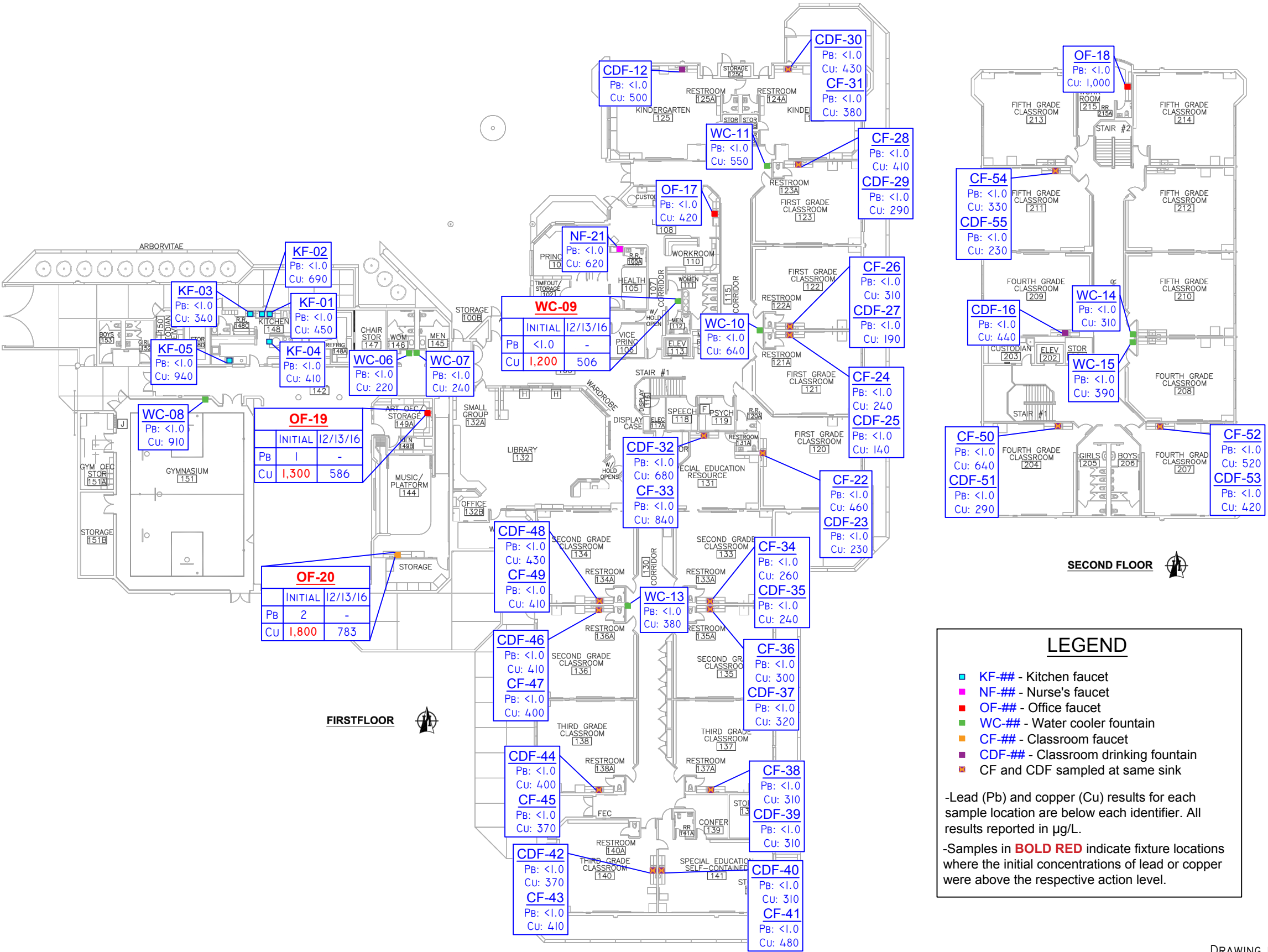
Ryan K. Mathews, CIH, CHMM
Principal



ATTACHMENT A

Figure 1: Initial and Remedial Sample Location Map

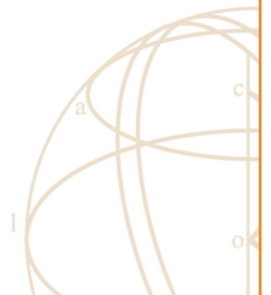




DRAWING PROVIDED BY PASCO SCHOOL DISTRICT No. 1

ATTACHMENT B

Site-Specific Sampling and Analysis Plan



Site-Specific Sampling and Analysis Plan

Pasco School District No. 1 – Winter 2016 Drinking Water Sampling

Note: This SSSAP has been prepared as a supplement to the project SAP/QAPP and provides a building specific summary of the location, number, and sampling frequency of water fixture locations.

Campus/Building: Emerson Elementary School

Address: 1616 W. Octave Ave, Pasco, WA 99301

☒ Elementary ☐ Middle School ☐ High School ☐ Administration

Date of Construction: 1998 Modernizations: N/A

Fixture Type	Fixture Locations	Fixture Styles ¹	Samples Collected	Ratio
Drinking fountain/water cooler (DF/WC)	9	2	9	100%
Kitchen Fixture (KF)	5	5	5	100%
Classroom faucet, including faucets in Food Labs and Life Sciences Classrooms (CF)	32	1	18	56%
Classroom drinking fountain at sink (CDF)	32	1	19	59%
Nurse's Office/Health Room (NF)	1	1	1	100%
Teacher's Lounges/Work Rooms (OF)	4	2	3	75%
TOTAL SAMPLES	83		55	66%

¹ Fixture styles are approximate and based on sampler's observations

Lead Sampler: Kelsey Best Date: 11/10/2016

Sample Prefix: EE - 111016 - - P (first draw) - 01-57
School Code Date Fixture Type Sample Type Sample Number

Laboratory: R. J. Lee Group, Columbia Basin Analytical Delivery Date: November 10, 2016

Comments:

-Two exterior drinking fountains non-functional during initial sampling

ATTACHMENT C

Table 1: Initial Sampling Analytical Results Summary Table

Table 2: pH and Temperature Data Summary Table

Table 3: Remedial Sampling Analytical Results Summary Table

Table 1: Initial Sampling Analytical Results

Sample Identification and Location	Type of Fixture	Lead Results (µg/L)	Copper Results (µg/L)
EE111016-KF-01-P: North wall kitchen, right fixture	Kitchen Faucet	<1.0	450
EE111016-KF-02-P: North wall kitchen, center fixture	Kitchen Faucet	<1.0	690
EE111016-KF-03-P: North wall kitchen, west fixture	Kitchen Faucet	<1.0	340
EE111016-KF-04-P: Kitchen vat fill	Kitchen Faucet	<1.0	410
EE111016-KF-05-P: South wall kitchen	Kitchen Faucet	<1.0	940
EE111016-WC-06-P: Cafeteria corridor - left fixture	Water Cooler Fountain	<1.0	220
EE111016-WC-07-P: Cafeteria corridor - right fixture	Water Cooler Fountain	<1.0	240
EE111016-WC-08-P: North wall of Gymnasium	Water Cooler Fountain	<1.0	910
EE111016-WC-09-P: Office, Staff Restrooms	Water Cooler Fountain	<1.0	1,200
EE111016-WC-10-P: North corridor, between 121 and 122	Water Cooler Fountain	<1.0	640
EE111016-WC-11-P: North corridor, between 123 and 124	Water Cooler Fountain	<1.0	550
EE111016-CDF-12-P: Classroom 125	Classroom Drinking Fountain	<1.0	500
EE111016-WC-13-P: South corridor, between 134 and 136	Water Cooler Fountain	<1.0	380
EE111016-WC-14-P: Second floor corridor, left fixture	Water Cooler Fountain	<1.0	310
EE111016-WC-15-P: Second floor corridor, right fixture	Water Cooler Fountain	<1.0	390
EE111016-CDF-16-P: Classroom 209	Classroom Drinking Fountain	<1.0	440
EE111016-OF-17-P: Staff lounge	Office Faucet	<1.0	420
EE111016-OF-18-P: Room 215 - Staff workroom	Office Faucet	<1.0	1,000
EE111016-OF-19-P: Art Office	Office Faucet	1	1,300
EE111016-OF-20-P: Music Room	Classroom Faucet	2	1,800
EE111016-NF-21-P: Health Room	Nurse's Faucet	<1.0	620
EE111016-CF-22-P: Classroom 120	Classroom Faucet	<1.0	460
EE111016-CDF-23-P: Classroom 120	Classroom Drinking Fountain	<1.0	230
EE111016-CF-24-P: Classroom 121	Classroom Faucet	<1.0	240
EE111016-CDF-25-P: Classroom 121	Classroom Drinking Fountain	<1.0	140
EE111016-CF-26-P: Classroom 122	Classroom Faucet	<1.0	310
EE111016-CDF-27-P: Classroom 122	Classroom Drinking Fountain	<1.0	190
EE111016-CF-28-P: Classroom 123	Classroom Faucet	<1.0	410
EE111016-CDF-29-P: Classroom 123	Classroom Drinking Fountain	<1.0	290
EE111016-CDF-30-P: Classroom 124	Classroom Drinking Fountain	<1.0	430
EE111016-CF-31-P: Classroom 124	Classroom Faucet	<1.0	380
EE111016-CDF-32-P: Classroom 131	Classroom Drinking Fountain	<1.0	680
EE111016-CF-33-P: Classroom 131	Classroom Faucet	<1.0	840
EE111016-CF-34-P: Classroom 133	Classroom Faucet	<1.0	260
EE111016-CDF-35-P: Classroom 133	Classroom Drinking Fountain	<1.0	240
EE111016-CF-36-P: Classroom 135	Classroom Faucet	<1.0	300
EE111016-CDF-37-P: Classroom 135	Classroom Drinking Fountain	<1.0	320

Sample Identification and Location	Type of Fixture	Lead Results (µg/L)	Copper Results (µg/L)
EE111016-CF-38-P: Classroom 137	Classroom Faucet	<1.0	310
EE111016-CDF-39-P: Classroom 137	Classroom Drinking Fountain	<1.0	310
EE111016-CDF-40-P: Classroom 141	Classroom Drinking Fountain	<1.0	310
EE111016-CF-41-P: Classroom 141	Classroom Faucet	<1.0	480
EE111016-CDF-42-P: Classroom 140	Classroom Drinking Fountain	<1.0	370
EE111016-CF-43-P: Classroom 140	Classroom Faucet	<1.0	410
EE111016-CDF-44-P: Classroom 138	Classroom Drinking Fountain	<1.0	400
EE111016-CF-45-P: Classroom 138	Classroom Faucet	<1.0	370
EE111016-CDF-46-P: Classroom 136	Classroom Drinking Fountain	<1.0	410
EE111016-CF-47-P: Classroom 136	Classroom Faucet	<1.0	400
EE111016-CDF-48-P: Classroom 134	Classroom Drinking Fountain	<1.0	430
EE111016-CF-49-P: Classroom 134	Classroom Faucet	<1.0	410
EE111016-CF-50-P: Classroom 204	Classroom Faucet	<1.0	640
EE111016-CDF-51-P: Classroom 204	Classroom Drinking Fountain	<1.0	290
EE111016-CF-52-P: Classroom 207	Classroom Faucet	<1.0	520
EE111016-CDF-53-P: Classroom 207	Classroom Drinking Fountain	<1.0	420
EE111016-CF-54-P: Classroom 211	Classroom Faucet	<1.0	330
EE111016-CDF-55-P: Classroom 211	Classroom Drinking Fountain	<1.0	230
<i>EE111016-WC-56-P: Laboratory Blank</i>	<i>Distilled Water Blank</i>	<1.0	<10
<i>EE111016-CF-57-P: Laboratory Spike</i>	<i>Lead and Copper Spike</i>	14	1,210
EPA Action Level		15	1,300

1 µg/L means microgram per liter or parts per billion (ppb).

2 Action levels based on the U.S. EPA's Lead and Copper Rule.

Results indicated in **bold** indicate concentrations above the action levels of 15 µg/L for lead and 1,300 µg/L for copper

Results indicated in *italics* are quality assurance spike and blank samples

Table 2: pH and Temperature Data Summary

Sample Number and Location	Fixture Type	pH Flush	pH Sample	Temperature Flush (°C)	Temperature Sample
EE111016-KF-02-P: North wall kitchen, center fixture	Kitchen Faucet	7.66	8.25	20.5	17.7
EE111016-WC-07-P: Cafeteria corridor - right fixture	Water Cooler Fountain	7.59	8.26	14.3	12.2
EE111016-WC-11-P: North corridor, between 123 and 124	Water Cooler Fountain	7.83	8.27	16.3	13.4
EE111016-CDF-16-P: Classroom 209	Classroom Drinking Fountain	7.26	8.02	19.0	21.7
EE111016-OF-20-P: Music Room	Classroom Faucet	7.69	8.04	22.4	21.1
EE111016-CF-22-P: Classroom 120	Classroom Faucet	7.90	8.12	17.6	21.8
EE111016-CF-26-P: Classroom 122	Classroom Faucet	7.67	8.01	17.7	21.8
EE111016-CDF-30-P: Classroom 124	Classroom Drinking Fountain	7.60	7.93	21.0	18.8
EE111016-CF-34-P: Classroom 134	Classroom Faucet	7.75	8.03	19.7	21.2
EE111016-CF-38-P: Classroom 137	Classroom Faucet	7.63	8.00	19.7	21.0

Sample Number and Location	Fixture Type	pH Flush	pH Sample	Temperature Flush (°C)	Temperature Sample
EE111016-CDF-42-P: Classroom 140	Classroom Drinking Fountain	7.58	7.92	20.2	20.9
EE111016-CDF-46-P: Classroom 136	Classroom Drinking Fountain	7.48	7.89	21.0	21.4
EE111016-CF-50-P: Classroom 204	Classroom Faucet	7.59	7.99	20.2	23.4
EE111016-CF-54-P: Classroom 211	Classroom Faucet	7.61	8.22	18.1	22.2

Table 3: Remedial Sampling Analytical Results

Initial Sample Identification	12/13/16 Sample Identification	Location	Initial Copper Results (µg/L)	12/13/16 Copper Results (µg/L)
WC-09-P	WC-P-01	Office, outside Staff Restrooms	1,200	506
OF-19-P	OF-P-03	Art Office	1,300	586
OF-20-P	CF-P-02	Music Room	1,800	783
WC-56-P	DF-P-05	Laboratory Blank	<10	<0.500
CF-57-P	CDF-P-04	Laboratory Spike	1,210	1,270
EPA Action Level			1,300	1,300

1 µg/L means microgram per liter or parts per billion (ppb).

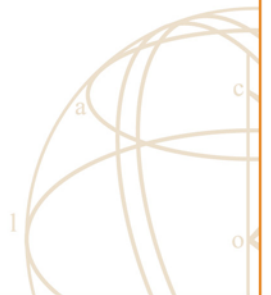
2 Action levels based on the U.S. EPA's Lead and Copper Rule.

Results indicated in **bold** indicate concentrations above the action levels of 15 µg/L for lead and 1,300 µg/L for copper

Results indicated in *italics* are quality assurance spike and blank samples.

ATTACHMENT D

Initial Analytical Results





RJ LeeGroup, Inc. | Columbia Basin Analytical Laboratories

2710 North 20th Avenue, Pasco WA 99301

Tel: (509) 545-4989 | Fax: (509) 544-6010

Fulcrum Environmental
406 N. 2nd St.
Yakima, WA 98901

Subject: Chemical Analysis Report

Columbia Basin Analytical Laboratories received 57 sample(s) on 11/10/16 for analysis. These sample(s) have been assigned a login order number of W611042. Enclosed is the final report that consists of a summary report of the sample(s), and a copy of the chain of custody.

General Lab Comments

The results provided in this report relate only to the items tested. Sample(s) were received in acceptable conditions unless otherwise noted in the comments above. Sample(s) have not been field blank corrected unless otherwise noted in the general set comments above. The sample(s) were prepared in accordance with EPA 200.8 and analyzed in compliance with EPA 200.8. This test report shall not be reproduced, except in full, without written approval of Columbia Basin Analytical Laboratories. Any questions, please contact our office.

Release of the data contained in the hard copy report has been authorized by the Laboratory Director or a designee as verified by the following signature. This report has been administratively reviewed by the following individual:

A handwritten signature in black ink, appearing to read "Fernanda Pincheira". The signature is written in a cursive style.

12/02/16

Project Coordinator, M. Fernanda Pincheira

Date

If you have any questions please feel free to contact Fernanda Pincheira at MPincheira@rjleegroup.com.

Columbia Basin Analytical Laboratories | 2710 North 20th Avenue, Pasco WA 99301 | 509.545.4989

WWW.RJLEEGROUP.COM

Report Template: GenMetalReportFull_v12.rpt

Approved: 12/1/16 16:56
Report Time Stamp: 12/02/16 10:17



Laboratory Report

Ryan Mathews

Fulcrum Environmental
406 N. 2nd St.
Yakima, WA 98901

Client Project:

No Project

RJ Lee Group No.: W611042

COC No.:

Samples Received: 11/10/16

Analysis/Prep Date: 11/23/16

Report Date: 12/02/16

Sample Name:	EE111016-KF-01-P	Matrix:	Potable Water	Date Received:	11/10/16
RJ Lee Grp. ID:	W611042-01			Date Analyzed:	11/23/16
Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers	
Copper	EPA 200.8	0.45	0.01		
Lead	EPA 200.8	< 0.001	0.001		

Sample Name:	EE111016-KF-02-P	Matrix:	Potable Water	Date Received:	11/10/16
RJ Lee Grp. ID:	W611042-02			Date Analyzed:	11/23/16
Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers	
Copper	EPA 200.8	0.69	0.01		
Lead	EPA 200.8	< 0.001	0.001		

Sample Name:	EE111016-KF-03-P	Matrix:	Potable Water	Date Received:	11/10/16
RJ Lee Grp. ID:	W611042-03			Date Analyzed:	11/23/16
Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers	
Copper	EPA 200.8	0.34	0.01		
Lead	EPA 200.8	< 0.001	0.001		

Sample Name:	EE111016-KF-04-P	Matrix:	Potable Water	Date Received:	11/10/16
RJ Lee Grp. ID:	W611042-04			Date Analyzed:	11/23/16
Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers	
Copper	EPA 200.8	0.41	0.01		
Lead	EPA 200.8	< 0.001	0.001		

Sample Name:	EE111016-KF-05-P	Matrix:	Potable Water	Date Received:	11/10/16
RJ Lee Grp. ID:	W611042-05			Date Analyzed:	11/23/16
Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers	
Copper	EPA 200.8	0.94	0.01		
Lead	EPA 200.8	< 0.001	0.001		

Columbia Basin Analytical Laboratories | 2710 North 20th Avenue, Pasco WA 93301 | 509.545.4989

WWW.RJLEEGROUP.COM

Report Template: GenMetalReportFull_v12.rpt

Approved: 12/1/16 16:56
Report Time Stamp: 12/02/16 10:17

**Sample Name:** EE111016-WC-06-P**RJ Lee Grp. ID:** W611042-06**Matrix:** Potable Water**Date Received:** 11/10/16**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.22	0.01	
Lead	EPA 200.8	< 0.001	0.001	

Sample Name: EE111016-WC-07-P**RJ Lee Grp. ID:** W611042-07**Matrix:** Potable Water**Date Received:** 11/10/16**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.24	0.01	
Lead	EPA 200.8	< 0.001	0.001	

Sample Name: EE111016-WC-08-P**RJ Lee Grp. ID:** W611042-08**Matrix:** Potable Water**Date Received:** 11/10/16**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.91	0.01	
Lead	EPA 200.8	< 0.001	0.001	

Sample Name: EE111016-WC-09-P**RJ Lee Grp. ID:** W611042-09**Matrix:** Potable Water**Date Received:** 11/10/16**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	1.2	0.1	
Lead	EPA 200.8	< 0.001	0.001	

Sample Name: EE111016-WC-10-P**RJ Lee Grp. ID:** W611042-10**Matrix:** Potable Water**Date Received:** 11/10/16**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.64	0.01	
Lead	EPA 200.8	< 0.001	0.001	

Sample Name: EE111016-WC-11-P**RJ Lee Grp. ID:** W611042-11**Matrix:** Potable Water**Date Received:** 11/10/16**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.55	0.01	
Lead	EPA 200.8	< 0.001	0.001	

**Sample Name:** EE111016-CDF-12-P**Matrix:** Potable Water**Date Received:** 11/10/16**RJ Lee Grp. ID:** W611042-12**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.50	0.01	
Lead	EPA 200.8	< 0.001	0.001	

Sample Name: EE111016-WC-13-P**Matrix:** Potable Water**Date Received:** 11/10/16**RJ Lee Grp. ID:** W611042-13**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.38	0.01	
Lead	EPA 200.8	< 0.001	0.001	

Sample Name: EE111016-WC-14-P**Matrix:** Potable Water**Date Received:** 11/10/16**RJ Lee Grp. ID:** W611042-14**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.31	0.01	
Lead	EPA 200.8	< 0.001	0.001	

Sample Name: EE111016-WC-15-P**Matrix:** Potable Water**Date Received:** 11/10/16**RJ Lee Grp. ID:** W611042-15**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.39	0.01	
Lead	EPA 200.8	< 0.001	0.001	

Sample Name: EE111016-CDF-16-P**Matrix:** Potable Water**Date Received:** 11/10/16**RJ Lee Grp. ID:** W611042-16**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.44	0.01	
Lead	EPA 200.8	< 0.001	0.001	

Sample Name: EE111016-OF-17-P**Matrix:** Potable Water**Date Received:** 11/10/16**RJ Lee Grp. ID:** W611042-17**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.42	0.01	
Lead	EPA 200.8	< 0.001	0.001	

**Sample Name:** EE111016-OF-18-P**Matrix:** Potable Water**Date Received:** 11/10/16**RJ Lee Grp. ID:** W611042-18**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	1.0	0.1	
Lead	EPA 200.8	< 0.001	0.001	

Sample Name: EE111016-OF-19-P**Matrix:** Potable Water**Date Received:** 11/10/16**RJ Lee Grp. ID:** W611042-19**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	1.3	0.1	
Lead	EPA 200.8	0.001	0.001	

Sample Name: EE111016-OF-20-P**Matrix:** Potable Water**Date Received:** 11/10/16**RJ Lee Grp. ID:** W611042-20**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	1.8	0.1	
Lead	EPA 200.8	0.002	0.001	

Sample Name: EE111016-NF-21-P**Matrix:** Potable Water**Date Received:** 11/10/16**RJ Lee Grp. ID:** W611042-21**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.62	0.01	
Lead	EPA 200.8	< 0.001	0.001	

Sample Name: EE111016-CF-22-P**Matrix:** Potable Water**Date Received:** 11/10/16**RJ Lee Grp. ID:** W611042-22**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.46	0.01	
Lead	EPA 200.8	< 0.001	0.001	

Sample Name: EE111016-CDF-23-P**Matrix:** Potable Water**Date Received:** 11/10/16**RJ Lee Grp. ID:** W611042-23**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.23	0.01	
Lead	EPA 200.8	< 0.001	0.001	

**Sample Name:** EE111016-CF-24-P**Matrix:** Potable Water**Date Received:** 11/10/16**RJ Lee Grp. ID:** W611042-24**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.24	0.01	
Lead	EPA 200.8	< 0.001	0.001	

Sample Name: EE111016-CDF-25-P**Matrix:** Potable Water**Date Received:** 11/10/16**RJ Lee Grp. ID:** W611042-25**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.14	0.01	
Lead	EPA 200.8	< 0.001	0.001	

Sample Name: EE111016-CF-26-P**Matrix:** Potable Water**Date Received:** 11/10/16**RJ Lee Grp. ID:** W611042-26**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.31	0.01	
Lead	EPA 200.8	< 0.001	0.001	

Sample Name: EE111016-CDF-27-P**Matrix:** Potable Water**Date Received:** 11/10/16**RJ Lee Grp. ID:** W611042-27**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.19	0.01	
Lead	EPA 200.8	< 0.001	0.001	

Sample Name: EE111016-CF-28-P**Matrix:** Potable Water**Date Received:** 11/10/16**RJ Lee Grp. ID:** W611042-28**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.41	0.01	
Lead	EPA 200.8	< 0.001	0.001	

Sample Name: EE111016-CDF-29-P**Matrix:** Potable Water**Date Received:** 11/10/16**RJ Lee Grp. ID:** W611042-29**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.29	0.01	
Lead	EPA 200.8	< 0.001	0.001	

**Sample Name:** EE111016-CDF-30-P**Matrix:** Potable Water**Date Received:** 11/10/16**RJ Lee Grp. ID:** W611042-30**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.43	0.01	
Lead	EPA 200.8	< 0.001	0.001	

Sample Name: EE111016-CF-31-P**Matrix:** Potable Water**Date Received:** 11/10/16**RJ Lee Grp. ID:** W611042-31**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.38	0.01	
Lead	EPA 200.8	< 0.001	0.001	

Sample Name: EE111016-CDF-32-P**Matrix:** Potable Water**Date Received:** 11/10/16**RJ Lee Grp. ID:** W611042-32**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.68	0.01	
Lead	EPA 200.8	0.001	0.001	

Sample Name: EE111016-CF-33-P**Matrix:** Potable Water**Date Received:** 11/10/16**RJ Lee Grp. ID:** W611042-33**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.84	0.01	
Lead	EPA 200.8	< 0.001	0.001	

Sample Name: EE111016-CF-34-P**Matrix:** Potable Water**Date Received:** 11/10/16**RJ Lee Grp. ID:** W611042-34**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.26	0.01	
Lead	EPA 200.8	< 0.001	0.001	

Sample Name: EE111016-CDF-35-P**Matrix:** Potable Water**Date Received:** 11/10/16**RJ Lee Grp. ID:** W611042-35**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.24	0.01	
Lead	EPA 200.8	< 0.001	0.001	

**Sample Name:** EE111016-CF-36-P**Matrix:** Potable Water**Date Received:** 11/10/16**RJ Lee Grp. ID:** W611042-36**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.30	0.01	
Lead	EPA 200.8	< 0.001	0.001	

Sample Name: EE111016-CDF-37-P**Matrix:** Potable Water**Date Received:** 11/10/16**RJ Lee Grp. ID:** W611042-37**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.32	0.01	
Lead	EPA 200.8	< 0.001	0.001	

Sample Name: EE111016-CF-38-P**Matrix:** Potable Water**Date Received:** 11/10/16**RJ Lee Grp. ID:** W611042-38**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.31	0.01	
Lead	EPA 200.8	< 0.001	0.001	

Sample Name: EE111016-CDF-39-P**Matrix:** Potable Water**Date Received:** 11/10/16**RJ Lee Grp. ID:** W611042-39**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.31	0.01	
Lead	EPA 200.8	< 0.001	0.001	

Sample Name: EE111016-CDF-40-P**Matrix:** Potable Water**Date Received:** 11/10/16**RJ Lee Grp. ID:** W611042-40**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.31	0.01	
Lead	EPA 200.8	< 0.001	0.001	

Sample Name: EE111016-CF-41-P**Matrix:** Potable Water**Date Received:** 11/10/16**RJ Lee Grp. ID:** W611042-41**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.48	0.01	
Lead	EPA 200.8	< 0.001	0.001	

**Sample Name:** EE111016-CDF-42-P**Matrix:** Potable Water**Date Received:** 11/10/16**RJ Lee Grp. ID:** W611042-42**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.37	0.01	
Lead	EPA 200.8	< 0.001	0.001	

Sample Name: EE111016-CF-43-P**Matrix:** Potable Water**Date Received:** 11/10/16**RJ Lee Grp. ID:** W611042-43**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.41	0.01	
Lead	EPA 200.8	< 0.001	0.001	

Sample Name: EE111016-CDF-44-P**Matrix:** Potable Water**Date Received:** 11/10/16**RJ Lee Grp. ID:** W611042-44**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.40	0.01	
Lead	EPA 200.8	< 0.001	0.001	

Sample Name: EE111016-CF-45-P**Matrix:** Potable Water**Date Received:** 11/10/16**RJ Lee Grp. ID:** W611042-45**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.37	0.01	
Lead	EPA 200.8	< 0.001	0.001	

Sample Name: EE111016-CDF-46-P**Matrix:** Potable Water**Date Received:** 11/10/16**RJ Lee Grp. ID:** W611042-46**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.41	0.01	
Lead	EPA 200.8	< 0.001	0.001	

Sample Name: EE111016-CF-47-P**Matrix:** Potable Water**Date Received:** 11/10/16**RJ Lee Grp. ID:** W611042-47**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.40	0.01	
Lead	EPA 200.8	< 0.001	0.001	

**Sample Name:** EE111016-CDF-48-P**Matrix:** Potable Water**Date Received:** 11/10/16**RJ Lee Grp. ID:** W611042-48**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.43	0.01	
Lead	EPA 200.8	< 0.001	0.001	

Sample Name: EE111016-CF-49-P**Matrix:** Potable Water**Date Received:** 11/10/16**RJ Lee Grp. ID:** W611042-49**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.41	0.01	
Lead	EPA 200.8	< 0.001	0.001	

Sample Name: EE111016-CF-50-P**Matrix:** Potable Water**Date Received:** 11/10/16**RJ Lee Grp. ID:** W611042-50**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.64	0.01	
Lead	EPA 200.8	< 0.001	0.001	

Sample Name: EE111016-CDF-51-P**Matrix:** Potable Water**Date Received:** 11/10/16**RJ Lee Grp. ID:** W611042-51**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.29	0.01	
Lead	EPA 200.8	< 0.001	0.001	

Sample Name: EE111016-CF-52-P**Matrix:** Potable Water**Date Received:** 11/10/16**RJ Lee Grp. ID:** W611042-52**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.52	0.01	
Lead	EPA 200.8	0.001	0.001	

Sample Name: EE111016-CDF-53-P**Matrix:** Potable Water**Date Received:** 11/10/16**RJ Lee Grp. ID:** W611042-53**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.42	0.01	
Lead	EPA 200.8	< 0.001	0.001	

**Sample Name:** EE111016-CF-54-P**Matrix:** Potable Water**Date Received:** 11/10/16**RJ Lee Grp. ID:** W611042-54**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.33	0.01	
Lead	EPA 200.8	< 0.001	0.001	

Sample Name: EE111016-CDF-55-P**Matrix:** Potable Water**Date Received:** 11/10/16**RJ Lee Grp. ID:** W611042-55**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.23	0.01	
Lead	EPA 200.8	< 0.001	0.001	

Sample Name: EE111016-WC-56-P**Matrix:** Potable Water**Date Received:** 11/10/16**RJ Lee Grp. ID:** W611042-56**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	< 0.01	0.01	
Lead	EPA 200.8	< 0.001	0.001	

Sample Name: EE111016-CF-57-P**Matrix:** Potable Water**Date Received:** 11/10/16**RJ Lee Grp. ID:** W611042-57**Date Analyzed:** 11/23/16

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	1.21	0.01	
Lead	EPA 200.8	0.014	0.001	


Report Qualifiers:

A = Target Analyte media breakthrough suspect, see analytical report

D = Analyte analyzed in a dilution

E = Report concentration was above the instrument calibration range

J = Analyte detected below quantitation limits, concentration is estimated

P = Library spectrum match, $rsd > 90\%$ w RT match

Q = Result out of method specific acceptance QC criteria

S = Spike Recovery outside accepted recovery limits

Z = Not ELAP accredited analyte

ND = Not Detected

B = Analyte detected in the associated blank

d = Data that exceeds the RSD criteria set by the SOP

H = Holding times for preparation or analysis exceeded

L = Sample condition at receipt out of compliance with method defined conditions

R = RPD (relative percent difference) outside accepted recovery limits

U = Analyte analyzed for but not detected

N/A = Not Applicable

Scientist III J Grissmerson

These results are submitted pursuant to RJ Lee Group's current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions. No responsibility or liability is assumed for the manner in which the results are used or interpreted. Unless notified in writing to return the samples covered by this report, RJ Lee Group will store the samples for a period of ninety (90) days before discarding. A shipping and handling fee will be assessed for the return of any samples. Unless otherwise noted, samples were received in an acceptable condition. This laboratory operates in accordance with ISO 17025 guidelines, and holds limited scopes of accreditation under ORELAP Lab Code 4061 AIHA-LAP, LLC Lab ID 178656 EPA ID WA01195 and WA DOE Lab ID C859. This report may not be used to claim product endorsement by any laboratory accrediting agency. The results contained in this report relate only to the items tested or to the sample(s) as received by the laboratory. Any reproduction of this document must be in full for the report to be valid. Quality control data is available upon request.

Request for Environmental and IH Laboratory Analytical Services

W611042

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ATTENTION TO:				Project No.:				Client No.:				Purchase Order No.:				Client Job No.:			
Lab Use Only				Date Logged In:				Logged In By:				Standard:				Yes			
Report Results To				Name:				Company:				Address:				City, State, Zip:			
Send Invoice To				Phone:				Fax:				Company:				Address:			
Special Instructions				Company:				Address:				City, State, Zip:				Phone:			
Client Sample ID				Sample Description				Sample Date				Sample Time				Wipe Area / Air Volume			
Chain of Custody				Relinquished By (Signature):				Date:				Time:				Chain of Custody			
Relinquished By (Print Name):				Relinquished To:				Method of Shipment:				Received By (Signature):				Date:			
Company Name:				Company Name:				Company Name:				Company Name:				Company Name:			
Chain of Custody				Relinquished By (Signature):				Date:				Time:				Chain of Custody			
Relinquished By (Print Name):				Relinquished To:				Method of Shipment:				Received By (Signature):				Date:			
Company Name:				Company Name:				Company Name:				Company Name:				Company Name:			
Chain of Custody				Relinquished By (Signature):				Date:				Time:				Chain of Custody			
Relinquished By (Print Name):				Relinquished To:				Method of Shipment:				Received By (Signature):				Date:			
Company Name:				Company Name:				Company Name:				Company Name:				Company Name:			



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161999.01

17.50

17.50

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W611042

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ATTENTION TO:		Project No.: <u>Ryan Matthews</u>		Client No:		Purchase Order No.:		Client Job No.: <u>161898,01</u>			
Lab Use Only	Date Logged In:	Logged In By:		Turnaround Request		Standard: Yes No		If 'No', No. of Business Days:			
Report Results To	Name: Amanda Enbysk, Ryan Matthews			Drinking Water		Sample Purpose: Information X Regulatory ☐ Accreditation (please list below):					
	Company: Fulcrum Environmental Consulting			System ID #:							
	Address: 406 North 2nd Street			DOH Source #:							
	City, State, Zip: Yakima, WA, 98901			Multiple Sources #:							
	Phone: (509) 574-0839 Fax: (509) 575-8453			Sample Purpose: A ☐ B ☐ Other ☐							
Call with Verbal Results:			Email Results To: aenbysk@fulcrum.net, cc: rmatthews@fulcrum.net		Chemistry Analysis Key		Unpres H ₂ SO ₄ Matrix: WW=Wastewater GW=Groundwater S=Soil/Sludge E=Extract				
Fax Results To:			Name: Lorie Boutillier		4°C HNO ₃ NaOH Na ₂ SO ₄ Other		SW=Surface Water DW=Drinking Water O=Oil X=Other				
Send Invoice To			Company: Fulcrum Environmental		Email: lboutillier@fulcrum.net		Container: P=Plastic G=Glass W=Wipe A=Air (filter or tube)				
Address: 406 N 2nd Street			City, State, Zip: Yakima, WA, 98901		Phone: (509) 574-0839 Fax: (509) 575-8453		Analysis Requested				
Special Instructions											
Client Sample ID	Sample Description	Sample Date	Sample Time	Wipe Area / Air Volume	EPA 200.8: Pb, Cu	Pres. Upon Receipt (Y/N)	Preservation	Matrix	Container Type	pH	No. Containers
EE111016-CD-12-P	CD: Rm 185	11/10/16			X						17.46
EE111016-WC-13-P	WC: Corridor 130				X						16.6
EE111016-WC-14-P	WC: Corridor 200				X						16.6
EE111016-WC-15-P	WC: Corridor 200				X						17.1
EE111016-CD-16-P	CD: Room 209				X						17.9
EE111016-CD-17-P	OF: Lounge 108				X						14.0
EE111016-OF-18-P	OF: Work Rm 215				X						14.2
EE111016-OF-19-P	OF: Art Storage 149A				X						18.6
EE111016-OF-20-P	OF: Music Rm 144				X						18.4
EE111016-NF-21-P	NF: Health Room				X						18.3
EE111016-OF-22-P	CF: Room 120				X						
Chain of Custody	Relinquished By (Signature): <u>John B. Best</u>		Date: 11/10/16 Time: 2:01		Chain of Custody	Received By (Signature): <u>John B. Best</u>		Date: 11/10/16 Time: 2:10			
Chain of Custody	Relinquished By (Print Name): <u>John B. Best</u>		Method of Shipment:		Chain of Custody	Received By (Print Name): <u>John B. Best</u>		Method of Shipment:			
Chain of Custody	Relinquished By (Signature):		Date:		Chain of Custody	Received By (Signature):		Date:			
Chain of Custody	Relinquished By (Print Name):		Time:		Chain of Custody	Received By (Print Name):		Time:			
Chain of Custody	Company Name:		Method of Shipment:		Chain of Custody	Company Name:		Method of Shipment:			

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ATTENTION TO:		Ryan Matthews		Purchase Order No.:		W611042		Client Job No.:		161898.01		
Lab Use Only	Project No.:	Client No.:		Turnaround Request	Standard:	Yes	No	If 'No,' No. of Business Days:				
Report Results To	Date Logged In:	Logged In By:		Drinking Water	Sample Purpose: Information X Regulatory ☐ Accreditation (please list below):							
	Name: Amanda Enbysk, Ryan Matthews			Sample Only	System ID #:							
	Company: Fulcrum Environmental Consulting				DOH Source #:							
	Address: 406 North 2nd Street				Multiple Sources #s:							
	City, State, Zip: Yakima, WA, 98901				Sample Purpose: A ☐ B ☐ Other ☐							
	Phone: (509) 574-0839	Fax: (509) 575-8453		Chemistry Analysis Key	Preservation: Unpres ☐ H ₂ SO ₄ ☐ 4°C ☐ HCl ☐ NaOH ☐ HNO ₃ ☐ Na ₂ SO ₄ ☐ Other ☐							
	Call with Verbal Results:				Matrix: WW=Wastewater ☐ GW=Groundwater ☐ S=Soil/Sludge ☐ E=Extract ☐							
	Email Results To: aenbysk@fulcrum.net, cc: rmatthews@fulcrum.net				Container: P=Plastic ☐ G=Glass ☐ W=Wipe ☐ A=Air (filter or tube) ☐							
	Fax Results To:			Analysis Requested								
Send Invoice To	Name: Lorrie Boutillier			Pres. Upon Receipt (Y/N)								
	Company: Fulcrum Environmental	Email: lboutillier@fulcrum.net		Preservation								
	Address: 406 N 2nd Street			Matrix								
	City, State, Zip: Yakima, WA, 98901			Container Type								
	Phone: (509) 574-0839	Fax: (509) 575-8453		pH								
Special Instructions					No. Containers							
Client Sample ID	Sample Description	Sample Date	Start	Stop	Wipe Area / Air Volume							
EE11016-CD-23-P	CD: Room 130	11/10/16										
EE11016-CD-24-P	CF: Room 131											
EE11016-CD-25-P	CD: Room 131											
EE11016-CD-26-P	CF: Room 132											
EE11016-CD-27-P	CD: Room 132											
EE11016-CD-28-P	CF: Room 133											
EE11016-CD-29-P	CD: Room 133											
EE11016-CD-30-P	CD: Room 134											
EE11016-CD-31-P	CF: Room 134											
EE11016-CD-32-P	CD: Room 131											
EE11016-CD-33-P	CF: Room 131											
Chain of Custody	Relinquished By (Signature): Ryan Matthews	Date: 11/18/16	Time: 2:04	Chain of Custody	Received By (Signature): [Signature]							
	Relinquished By (Print Name): Ryan Matthews	Relinquished To:	Method of Shipment:		Received By (Print Name): [Signature]							
	Company Name: Fulcrum				Company Name: [Signature]							
Chain of Custody	Relinquished By (Signature):	Date:	Time:	Chain of Custody	Received By (Signature):							
	Relinquished By (Print Name):	Relinquished To:	Method of Shipment:		Received By (Print Name):							
	Company Name:				Company Name:							



Pennsylvania - HQ
350 Hochberg Road
Monroeville, PA 15146

Washington
Columbia Basin Analytical Laboratories
2710 North 20th Avenue
Pasco, WA 99301

724.325.1776 Phone
724.733.1799 Fax

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RJ LEE GROUP
DELIVERING SCIENTIFIC RESOLUTION

R4_12032015

Request for Environmental and IH Laboratory Analytical Services

W611042

Page 45 of 60

ATTENTION TO: Ryan Matthews				Purchase Order No.:		Client Job No.: 161479.01	
Lab Use Only				Turnaround Request		Standard: Yes No If 'No', No. of Business Days:	
Project No.:				Sample Purpose: Information X Regulatory Accreditation (please list below):			
Date Logged In:				System ID #:			
Name: Amanda Embysk, Ryan Matthews				DOH Source #:			
Company: Fulcrum Environmental Consulting				Multiple Sources #s:			
Address: 406 North 2nd Street				Sample Purpose: A B Other			
City, State, Zip: Yakima, WA, 98901				Matrix: WW=Wastewater GW=Groundwater S=Soil/Sludge E=Extract			
Phone: (509) 574-0839 Fax: (509) 575-8453				Preservation: Unpres H ₂ SO ₄ 4°C HCl NaOH Na ₂ SO ₄ Other		Container: P=Plastic G=Glass W=Wipe A=Air (filter or tube)	
Call with Verbal Results:				SW=Surface Water DW=Drinking Water O=Oil X=Other			
Email Results To: aembysk@fulcrum.net, cc: rmatthews@fulcrum.net				Matrix: WW=Wastewater GW=Groundwater S=Soil/Sludge E=Extract			
Fax Results To:				SW=Surface Water DW=Drinking Water O=Oil X=Other			
Name: Lorrie Boutilier				Matrix: WW=Wastewater GW=Groundwater S=Soil/Sludge E=Extract			
Company: Fulcrum Environmental				SW=Surface Water DW=Drinking Water O=Oil X=Other			
Address: 406 N 2nd Street				SW=Surface Water DW=Drinking Water O=Oil X=Other			
City, State, Zip: Yakima, WA, 98901				SW=Surface Water DW=Drinking Water O=Oil X=Other			
Phone: (509) 574-0839 Fax: (509) 575-8453				SW=Surface Water DW=Drinking Water O=Oil X=Other			
Send Invoice To				Analysis Requested			
Special Instructions				Pres. Upon Receipt (Y/N)			
Client Sample ID				Preservation		Matrix	
Sample Description				Container Type		pH	
Sample Date				No. Containers			
Sample Time							
Wipe Area / Air Volume							
Chain of Custody				Chain of Custody		Chain of Custody	
Relinquished By (Signature): Key Bee				Received By (Signature): [Signature]		Date: 11/10/16 Time: 2:04	
Relinquished By (Print Name): Kelsey Best				Received By (Print Name): [Name]		Relinquished To:	
Company Name: Fulcrum				Company Name:		Method of Shipment:	
Date: 11/10/16 Time: 2:04				Date:		Time:	
Relinquished To:				Relinquished To:		Time:	
Method of Shipment:				Method of Shipment:		Time:	
Chain of Custody				Chain of Custody		Chain of Custody	
Relinquished By (Signature):				Received By (Signature):		Date:	
Relinquished By (Print Name):				Received By (Print Name):		Time:	
Company Name:				Company Name:		Method of Shipment:	

Pennsylvania - HQ
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RJ LEE GROUP
DELIVERING SCIENTIFIC RESOLUTION

Page ~~2~~ 6 of 6

ATTENTION TO:	Mr. + Mrs. S. V. ...	Purchase Order No.:	15189801
Client Job No.:	15189801		

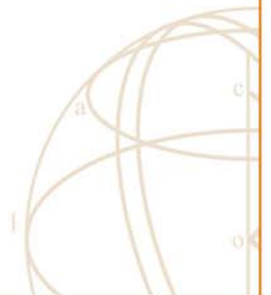
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RJ LEE GROUP
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ATTACHMENT E

Remedial Analytical Results





Fremont
Analytical

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Fulcrum Environmental

Ryan Mathews
406 N. 2nd Street
Yakima, WA 98901

**RE: Pasco SD Drinking Water Emerson Elementary Follow-Up Sample
Work Order Number: 1612164**

December 15, 2016

Attention Ryan Mathews:

Fremont Analytical, Inc. received 11 sample(s) on 12/15/2016 for the analyses presented in the following report.

Drinking Water Metals by EPA Method 200.8

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Chelsea Ward
Project Manager

DoD/ELAP Certification #L2371, ISO/IEC 17025:2005
ORELAP Certification: WA 100009-007 (NELAP Recognized)

CLIENT: Fulcrum Environmental
Project: Pasco SD Drinking Water Emerson Element
Work Order: 1612164

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1612164-001	EE121316-WC-P-01	12/13/2016 7:00 AM	12/15/2016 9:16 AM
1612164-002	EE121316-WC-S-01	12/13/2016 7:00 AM	12/15/2016 9:16 AM
1612164-003	EE121316-WC-T-1	12/13/2016 7:00 AM	12/15/2016 9:16 AM
1612164-004	EE121316-CF-P-02	12/13/2016 7:00 AM	12/15/2016 9:16 AM
1612164-005	EE121316-CF-S-02	12/13/2016 7:00 AM	12/15/2016 9:16 AM
1612164-006	EE121316-CF-T-02	12/13/2016 7:00 AM	12/15/2016 9:16 AM
1612164-007	EE121316-OF-P-03	12/13/2016 7:00 AM	12/15/2016 9:16 AM
1612164-008	EE121316-OF-S-03	12/13/2016 7:00 AM	12/15/2016 9:16 AM
1612164-009	EE121316-OF-T-03	12/13/2016 7:00 AM	12/15/2016 9:16 AM
1612164-010	EE121316-CDF-P-04	12/13/2016 7:00 AM	12/15/2016 9:16 AM
1612164-011	EE121316-DF-P-05	12/13/2016 7:00 AM	12/15/2016 9:16 AM

CLIENT: Fulcrum Environmental**Project:** Pasco SD Drinking Water Emerson Elementary Follow-Up Sampling

WorkOrder Narrative:

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Prep Sample Comments:

1612164-001A 198026: Prep Comments for EPA200.8, Sample 1612164-001A: Turbidity: 0.22 NTU

1612164-004A 198027: Prep Comments for EPA200.8, Sample 1612164-004A: Turbidity: 0.11 NTU

1612164-007A 198028: Prep Comments for EPA200.8, Sample 1612164-007A: Turbidity: 0.12 NTU

1612164-010A 198029: Prep Comments for EPA200.8, Sample 1612164-010A: Turbidity: 0.17 NTU

1612164-011A 198030: Prep Comments for EPA200.8, Sample 1612164-011A: Turbidity: 0.21 NTU

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF)
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



Analytical Report

Work Order: 1612164

Date Reported: 12/15/2016

CLIENT: Fulcrum Environmental

Project: Pasco SD Drinking Water Emerson Elementary Follow-Up Sampling

Lab ID: 1612164-001

Client Sample ID: EE121316-WC-P-01

Collection Date: 12/13/2016 7:00:00 AM

Matrix: Drinking Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Drinking Water Metals by EPA Method 200.8

Batch ID: 15692

Analyst: TN

Copper	506	0.500		µg/L	1	12/15/2016 1:28:03 PM
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Lab ID: 1612164-004

Client Sample ID: EE121316-CF-P-02

Collection Date: 12/13/2016 7:00:00 AM

Matrix: Drinking Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Drinking Water Metals by EPA Method 200.8

Batch ID: 15692

Analyst: TN

Copper	783	0.500		µg/L	1	12/15/2016 1:31:35 PM
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Lab ID: 1612164-007

Client Sample ID: EE121316-OF-P-03

Collection Date: 12/13/2016 7:00:00 AM

Matrix: Drinking Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Drinking Water Metals by EPA Method 200.8

Batch ID: 15692

Analyst: TN

Copper	586	0.500		µg/L	1	12/15/2016 1:35:07 PM
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Analytical Report

Work Order: **1612164**

Date Reported: **12/15/2016**

CLIENT: Fulcrum Environmental

Project: Pasco SD Drinking Water Emerson Elementary Follow-Up Sampling

Lab ID: 1612164-010

Collection Date: 12/13/2016 7:00:00 AM

Client Sample ID: EE121316-CDF-P-04

Matrix: Drinking Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Drinking Water Metals by EPA Method 200.8

Batch ID: 15692

Analyst: TN

Copper	1,270	0.500		µg/L	1	12/15/2016 1:38:39 PM
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Lab ID: 1612164-011

Collection Date: 12/13/2016 7:00:00 AM

Client Sample ID: EE121316-DF-P-05

Matrix: Drinking Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Drinking Water Metals by EPA Method 200.8

Batch ID: 15692

Analyst: TN

Copper	ND	0.500		µg/L	1	12/15/2016 1:42:11 PM
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Work Order: 1612164
CLIENT: Fulcrum Environmental
Project: Pasco SD Drinking Water Emerson Elemen

QC SUMMARY REPORT

Drinking Water Metals by EPA Method 200.8

Sample ID	MB-15692	SampType:	MBLK			Units:	µg/L			Prep Date:	12/15/2016			RunNo:	33431		
Client ID:	MBLKW	Batch ID:	15692							Analysis Date:	12/15/2016			SeqNo:	634216		
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val		%RPD	RPDLimit	Qual				
Copper		ND	0.500														

Sample ID	LCS-15692	SampType:	LCS			Units:	µg/L			Prep Date:	12/15/2016			RunNo:	33431		
Client ID:	LCSW	Batch ID:	15692							Analysis Date:	12/15/2016			SeqNo:	634217		
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val		%RPD	RPDLimit	Qual				
Copper		103	0.500	100.0	0	103	85	115									

Sample ID	1612136-001ADUP	SampType:	DUP			Units:	µg/L			Prep Date:	12/15/2016			RunNo:	33431		
Client ID:	BATCH	Batch ID:	15692							Analysis Date:	12/15/2016			SeqNo:	634219		
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val		%RPD	RPDLimit	Qual				
Copper		34.9	0.500						35.18		0.793	30					

Sample ID	1612136-001AMS	SampType:	MS			Units:	µg/L			Prep Date:	12/15/2016			RunNo:	33431		
Client ID:	BATCH	Batch ID:	15692							Analysis Date:	12/15/2016			SeqNo:	634220		
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val		%RPD	RPDLimit	Qual				
Copper		236	0.500	200.0	35.18	101	70	130									

Sample ID	1612136-001AMSD	SampType:	MSD			Units:	µg/L			Prep Date:	12/15/2016			RunNo:	33431		
Client ID:	BATCH	Batch ID:	15692							Analysis Date:	12/15/2016			SeqNo:	634223		
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val		%RPD	RPDLimit	Qual				
Copper		231	0.500	200.0	35.18	98.0	70	130	236.3		2.22	30					

Client Name: **FE**
 Logged by: **Erica Silva**

Work Order Number: **1612164**
 Date Received: **12/15/2016 9:16:00 AM**

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
 2. How was the sample delivered? UPS

Log In

3. Coolers are present? Yes ☒ No ☐ NA ☐
 4. Shipping container/cooler in good condition? Yes ☒ No ☐
 5. Custody Seals present on shipping container/cooler?
 (Refer to comments for Custody Seals not intact) Yes ☐ No ☒ Not Required ☐
 6. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
 7. Were all items received at a temperature of >0°C to 10.0°C* Yes ☒ No ☐ NA ☐
 8. Sample(s) in proper container(s)? Yes ☒ No ☐
 9. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
 10. Are samples properly preserved? Yes ☒ No ☐
 11. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
 12. Is there headspace in the VOA vials? Yes ☐ No ☐ NA ☒
 13. Did all samples containers arrive in good condition(unbroken)? Yes ☒ No ☐
 14. Does paperwork match bottle labels? Yes ☒ No ☐
 15. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
 16. Is it clear what analyses were requested? Yes ☒ No ☐
 17. Were all holding times able to be met? Yes ☒ No ☐

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: Date
 By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
 Regarding:
 Client Instructions:

19. Additional remarks:

Item Information

Item #	Temp °C
Cooler	2.9
Sample	3.6

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



3600 Fremont Ave N.
Seattle, WA 98103

Tel: 206-352-3790
Fax: 206-352-7178

Client: Fulcrum Environmental Consulting, Inc.

Address: 406 North 2nd Street
Yakima, WA 98901

City, State, Zip:

Telephone: 509.574.0839

Fax: 509.575.8453

PM Email:

rmathews@fulcrum.net, cc: aenbyk@fulcrum.net

Chain of Custody Record and Laboratory Services Agreement

Date: 12/13/2016

Laboratory Project No (Internal):

11612164

Page: 1 of 2

Project Name: Pasco SD Drinking Water Emerson Elementary Follow-Up Sampling

Project No: 161898.04

Collected by: Amanda Enbyk

Location: Emerson Elementary, Pasco, WA

Report To (PM): Ryan Mathews

*Matrix Codes: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOCs (EPA 8260 / 624)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)**	EDB (8011)	Comments
EE121316-WC-P-01	12/13/2016	700	DW														Analyze for Cu only
EE121316-WC-S-01	12/13/2016	700	DW														HOLD
EE121316-WC-T-01	12/13/2016	700	DW														HOLD
EE121316-CF-P-02	12/13/2016	700	DW														Analyze for Cu only
EE121316-CF-S-02	12/13/2016	700	DW														HOLD
EE121316-CF-T-02	12/13/2016	700	DW														HOLD
EE121316-OF-P-03	12/13/2016	700	DW														Analyze for Cu only
EE121316-OF-S-03	12/13/2016	700	DW														HOLD
EE121316-OF-T-03	12/13/2016	700	DW														HOLD
EE121316-CDF-P-04	12/13/2016	700	DW														Analyze for Cu only
**Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti U V Zn																	
***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite																	
Sample Disposal:	☐ Return to Client	☐ Disposal by Lab (Samples will be held for 30 days unless otherwise noted. A fee may be assessed if samples are retained after 30 days.)	Turn-around times for samples received after 4:00pm will begin on the following business day.														
I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.																	
Relinquished	Date/Time	Received	Date/Time														
x	12/13/16, 1605	x	12/15/16 0916														
All Samples are preserved in HNB3																	
TAT -> SameDay* NextDay* 2 Day 3 Day STD																	
*Please coordinate with the lab in advance																	



3600 Fremont Ave N. Tel: 206-352-3790
Seattle, WA 98103 Fax: 206-352-7178

Tel: 206-352-3790
Fax: 206-352-7178

Client: Fulcrum Environmental Consulting, Inc.

Address: 406 North 2nd Street

City, State, Zip: Yakima, WA 98901

Telephone: 509.574.0839

Fax: 509.575.8453

PM Email:

rmathews@efulcruum.net, cc: aenbysk@efulcruum.net

Date: 12/13/2016

Laboratory Project No (internally)

Page: 12 of 12

Project Name: Pasco SD Drinking Water Emerson Elementary Follow-Up Sampling

Project No: 161898.04

Collected by: Amanda Enbysk

Location: Emerson Elementary, Pasco, WA

Report To (PM): Ryan Mathews

*Matrix Codes: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals Analysis (Circle):		MTCA-5	RCRA-8	Priority Pollutants	TAL	<i>Individual:</i> Ag Al As B Ba Be Ca Cd Co Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti U Zn																			
***Anions (Circle):	Nitrate	Nitrite	Chloride	Sulfate	Bromide	O-Phosphate	Fluoride	Nitrate+Nitrite																	
Sample Disposal:	☐ Return to Client	☐	Disposal by Lab (Samples will be held for 30 days unless otherwise noted. A fee may be assessed if samples are retained after 30 days.)						Turn-around times for samples received after 4:00pm will begin on the following business day.																
I represent that I am authorized to enter into this Agreement on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.																									
Special Remarks: All samples pre-preserved																									

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Refrainquished

Date/Time

Received

Date/Time

161 exocytosis

Relinquished

Date/Time

Received

Date/Time

TAT →	Samadaya	NorthDay	2 Day	3 Day	STD
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Please coordinate with the lab in advance

Distribution: White - Lab, Yellow - File, Pink - Originator

www.fremontanalytical.com