November 3, 2017

Kennewick School District No. 17
Attn: Keith Colee, Maintenance and Operations Manager
1000 West Fourth Avenue
Kennewick, Washington, 99336

RE: Winter 2016 Drinking Water Sampling Results
Amistad Elementary School, 930 West Fourth Avenue, Kennewick, Washington

Dear Keith:

On Thursday, December 22, 2016, Fulcrum Environmental Consulting, Inc. (Fulcrum) collected 40 drinking water samples for lead and copper analysis from Amistad Elementary School (School) located at 930 West Fourth Avenue in Kennewick, Washington. Initial sampling identified four fixture locations with lead concentrations above guidance levels and one fixture location with a copper concentration above guidance levels. Fulcrum returned to the School on March 31, 2017 to collect samples after remediation of the fixtures and laboratory results found concentrations to be 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-135[1]. 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 December 22, 2016. Initial results identified four samples with lead concentrations above the Environmental Protection Agency (EPA) action level of 15 micrograms per liter (µg/L) and one sample with a copper concentration above the EPA action level of 1,300 µg/L. Upon receipt of results, the District removed the identified fixtures from service pending remediation and further testing.

The 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 returned to the School on March 31, 2017 and collected follow-

[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

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up samples to confirm the success of fixture replacement. No other fixtures of like style were replaced. Follow-up samples yielded results below the EPA action level, confirming fixture replacement was successful.

Copper is not a significant component in fixtures, but is the primary material in the plumbing system. The identified fixture, located in Support Services 3, was also found with an elevated lead concentration. To remediate elevated copper, the District replaced and preconditioned the identified fixture to clear the plumbing of copper construction debris. Fulcrum returned on March 31, 2017 and collected samples to evaluate the success of the remediation. Follow-up samples found the copper concentration below the EPA action level, confirming the remediation was successful. Following sampling and review of laboratory results, Fulcrum recommended and the District elected to return the fixtures to service. Fulcrum recommended that the District replace all fixtures of like style to those initially identified with elevated lead.

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 December 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) 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

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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 occured 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 outlined 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, install signage indicating the fixtures should be used only for handwashing, or permanently removed fixtures that did not respond to an aggressive flush. Filtered fixtures were resampled following filter installation to verify effectiveness of the filter.

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Remedial Sampling

Remedial sampling typically consisted of first, second, and third draw samples from the fixture locations 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 remedial sampling events 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 four samples with lead concentrations above the EPA action level of 15 µg/L and one sample with a copper concentration above the EPA action level of 1,300 µg/L.

P. 509.574.0839 F. 509.575.8453
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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 lead concentrations, the District replaced the identified fixtures. Fulcrum returned on March 31, 2017 following fixture replacement and preconditioning to collect follow-up samples from the initially identified fixtures. No other fixtures of like style were replaced. See Attachment F for a photograph layout with the identified fixture style.

To remediate the elevated copper concentration, the District replaced and preconditioned the identified fixture, located in Support Services 3. This fixture was also initially identified with an elevated lead concentration. Fulcrum returned following replacement and preconditioning, March 31, 2017, to collect follow-up samples from the fixture.

Analytical results from remedial sampling indicated the fixture replacement was successful at reducing lead and copper concentrations below action levels for the fixtures in question.

Recommendations

Four initial samples contained lead above the EPA action level of 15 µg/L and one initial sample contained copper above the EPA action level of 1,300 µg/L. The District replaced the identified fixtures with elevated lead and preconditioned the fixtures for 24 hours as specified in WAC 246-366A-130. The District completed an aggressive flush of the fixture identified with elevated copper by replacing and preconditioning the fixture. Follow-up sampling demonstrated that all lead and copper concentrations were below action levels. Following remedial sampling and review of laboratory results, Fulcrum recommended, and the District elected, to return the fixtures to service. Fulcrum recommends the District replace all fixtures of like style to those initially identified with elevated lead. See Attachment F for a photograph layout of the identified fixture style.

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 December 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

THE AMERICAN BOARD OF INDUSTRIAL HYGIENE INCORPORATED
CERTIFICATION NUMBER
9916 CP
EXPIRES
12-1-2021
PENNSYLVANIA · 1960
RYAN K. MATHEWS, CIH

P. 509.574.0839 F. 509.575.8453
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ATTACHMENT A

Figure 1: Sample Location Map

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LEGEND

KF-## - Kitchen faucet

CF-## - Classroom faucet

CDF-## - Classroom drinking fountain

OF-## - Office faucet

WC-## - Water cooler fountain

BF-## - Bottle filler fountain

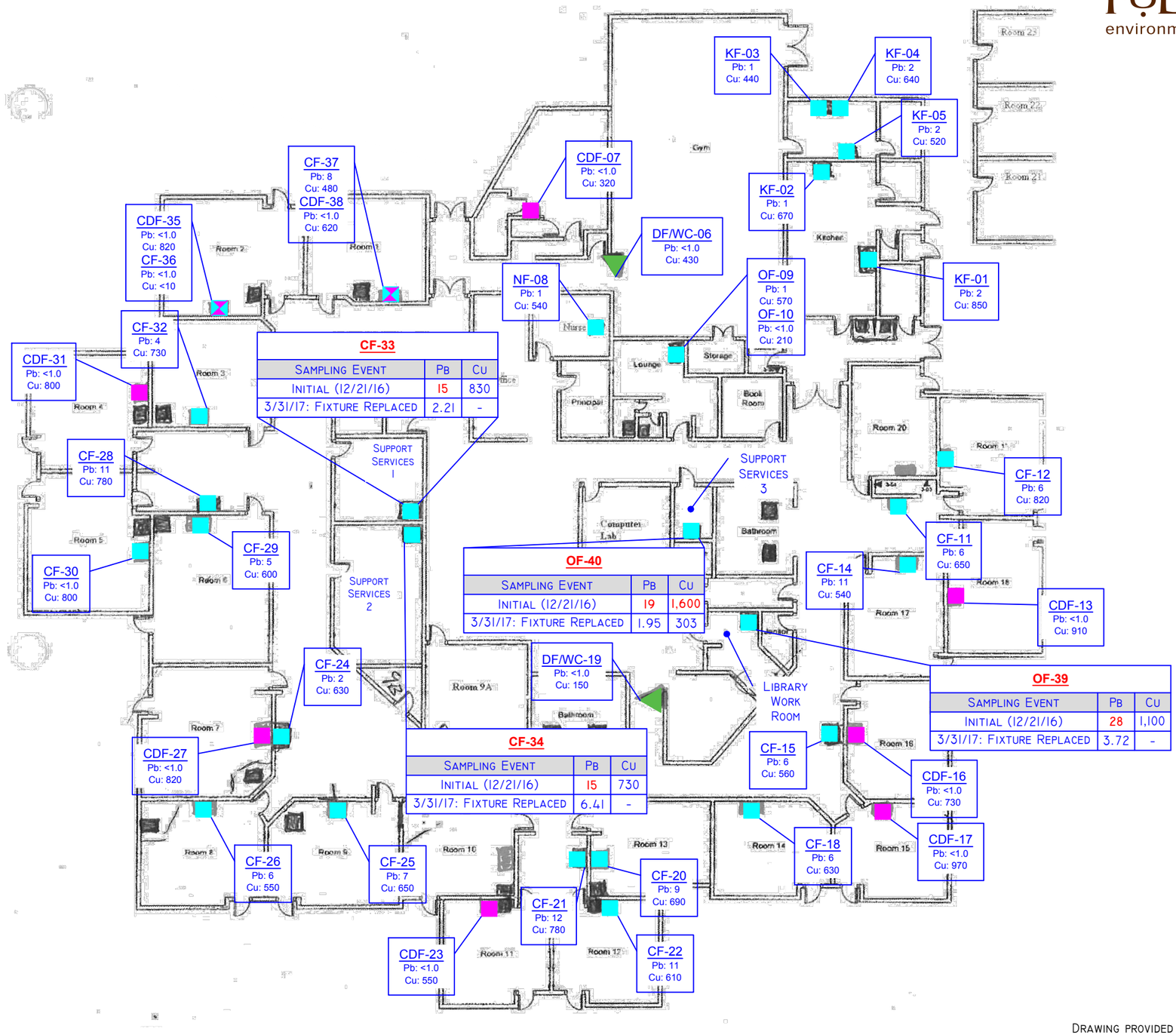
NF-## - Nurse's faucet

- - Sample location: faucet
- - Sample location: drinking fountain at sink
- - Sample location: faucet and drinking fountain at same sink
- - Sample location: water cooler fountain

-Lead (Pb) and copper (Cu) results for each sample location are below each identifier. All results reported in µg/L.

-Samples in **BOLD RED** indicate fixture locations where the initial concentrations of lead or copper were above the respective action level.

-North arrow represents Project North



Drawing provided by Kennewick School District

Fulcrum Environmental Consulting, Inc.
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Kennewick SD Drinking Water Sampling. 162017.00. AME. 10272017

Amistad Elementary School
930 West Fourth Avenue
Kennewick, Washington

Sample Location Map

FIGURE 1

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ATTACHMENT B

Site-Specific Sampling and Analysis Plan

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Site-Specific Sampling and Analysis Plan

Kennewick School District – Winter 2016 Drinking Water Sampling

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

Campus/Building: Amistad Elementary School Address: 930 W 4th Avenue, Kennewick, WA

☑ Elementary ☐ Middle School ☐ High School ☐ Administration

Date of Construction: 1992 Modernizations: N/A

Fixture Type	Locations	Fixture Styles[1]	Samples	Ratio
Drinking fountain/water cooler (DF/WC)	2	1	2	100%
Kitchen Fixture (KF)	5	5	5	100%
Classroom faucet, including faucets in Food Labs and Life Sciences Classrooms (CF)	27	2	19	70%
Classroom drinking fountain at sink (CDF)	22	1	9	41%
Nurse's Office/Health Room (NF)	1	1	1	100%
Teacher's Lounges/Work Rooms (OF)	4	2	4	100%
TOTALS	**61**		**40**	**66%**

1 Fixture styles are approximate based on sampler's observations

Lead Sampler: Nathan Bostrom Date: 12/22/2016

Sample Prefix: AE – 122216 – P (first-draw) – _____ – 01 to 42

School Code *Date* *Sample Type* *Fixture Type* *Sample Number*

Laboratory: R. J. Lee Group, Columbia Basin Analytical Delivery Date: December 22, 2016

Comments:

P. 509.574.0839 F. 509.575.8453
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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

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Table 1: Initial Sampling Analytical Results

Sample Identification and Location	Fixture Type	Lead Results (µg/L)	Copper Results (µg/L)
AE122216-P-KF-01: Main Kitchen; west wall	Kitchen Faucet	2	850
AE122216-P-KF-02: Main Kitchen; south wall	Kitchen Faucet	1	670
AE122216-P-KF-03: South Kitchen; South wall, left fixture	Kitchen Faucet	1	440
AE122216-P-KF-04: South Kitchen; South wall, right fixture	Kitchen Faucet	2	640
AE122216-P-KF-05: South Kitchen; North wall	Kitchen Faucet	2	520
AE122216-P-DF/WC-06: Gym	Drinking Fountain/Water Cooler	<1.0	430
AE122216-P-CDF-07: Music Room	Classroom Drinking Fountain	<1.0	320
AE122216-P-NF-08: Nurses' Office	Nurses Faucet	1	540
AE122216-P-OF-09: Teacher's lounge	Office Faucet	1	570
AE122216-P-OF-10: Teacher's lounge, instant hot	Office Faucet	<1.0	210
AE122216-P-CF-11: Hallway Adjacent Room 20	Classroom Faucet	6	650
AE122216-P-CF-12: Room 19	Classroom Faucet	6	820
AE122216-P-CDF-13: Room 18	Classroom Drinking Fountain	<1.0	910
AE122216-P-CF-14: Room 17	Classroom Faucet	11	540
AE122216-P-CF-15: Hallway adjacent Room 16	Classroom Faucet	6	560
AE122216-P-CDF-16: Room 16	Classroom Drinking Fountain	<1.0	730
AE122216-P-CDF-17: Room 15	Classroom Drinking Fountain	<1.0	970
AE122216-P-CF-18: Room 14	Classroom Faucet	6	630
AE122216-P-DF/WC-19: Commons	Drinking Fountain/Water Cooler	<1.0	150
AE122216-P-CF-20: Room 13	Classroom Faucet	9	690
AE122216-P-CF-21: Hallway adjacent Room 12	Classroom Faucet	12	780
AE122216-P-CF-22: Room 12	Classroom Faucet	11	610
AE122216-P-CDF-23: Room 11	Classroom Drinking Fountain	<1.0	550
AE122216-P-CF-24: Hallway adjacent Room 7	Classroom Faucet	2	630
AE122216-P-CF-25: Room 9	Classroom Faucet	7	650
AE122216-P-CF-26: Room 8	Classroom Faucet	6	550
AE122216-P-CDF-27: Room 7	Classroom Drinking Fountain	<1.0	820
AE122216-P-CF-28: Hallway adjacent Room 6	Classroom Faucet	11	780
AE122216-P-CF-29: Room 6	Classroom Faucet	5	600
AE122216-P-CF-30: Room 5	Classroom Faucet	<1.0	800
AE122216-P-CDF-31: Room 4	Classroom Drinking Fountain	<1.0	800
AE122216-P-CF-32: Room 3	Classroom Faucet	4	730
AE122216-P-CF-33: Support Services 1	**Classroom Faucet**	**15**	830
AE122216-P-CF-34: Support Services 2	**Classroom Faucet**	**15**	730
AE122216-P-CDF-35: Room 2	Classroom Drinking Fountain	<1.0	820
AE122216-P-CF-36: Room 2	Classroom Faucet	<1.0	<10
AE122216-P-CF-37: Room 1	Classroom Faucet	8	480

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Sample Identification and Location	Fixture Type	Lead Results (µg/L)	Copper Results (µg/L)
AE122216-P-CDF-38: Room 1	Classroom Drinking Fountain	<1.0	620
AE122216-P-OF-39: Library Workroom	**Office Faucet**	**28**	1,100
AE122216-P-OF-40: Support Services 3	**Office Faucet**	**19**	**1,600**
AE122216-P-CF-41: Laboratory Blank - labeled Room 10	*Distilled Water Blank*	*<1.0*	*<10*
AE122216-P-CDF-42: Laboratory Spike - labeled Room 10	*Lead and Copper Spike*	*14*	*1,200*
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 in **bold** indicate concentrations above the action levels of 15 µg/L for lead and 1,300 µg/L for copper
Results in *italics* are quality assurance spike and blank samples

Table 2: pH and Temperature Data Summary

Sample Identification and Location	pH Flush	pH Sample	Temperature Flush (°C)	Temperature Sample (°C)
KF-01: Main Kitchen; west wall	7.99	7.98	18.8	16.7
NF-08: Nurses' Office	8.06	7.81	19.8	19.3
CDF-13: Room 18	8.09	7.85	20.7	19.0
CDF-16: Room 16	7.79	7.78	19.2	20.1
CF-20: Room 13	7.94	7.9	20.1	19.0
CF-24: Hallway adjacent Room 7	7.84	7.83	20.5	19.9
CF-28: Hallway adjacent Room 6	8.02	7.82	20.9	18.6
CF-32: Room 3	-	7.87	-	18.1
CF-36: Room 2	7.83	7.72	19.4	18.8
OF-40: Support Services 3	7.82	7.72	20.5	21.0

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Table 3: Remedial Sampling Analytical Results Summary

Sampling Event	Sample Identification and Location					
	CF-33: Support Services 1	CF-34: Support Services 2	OF-39: Library Workroom	OF-40: Support Services 3	*CF-41: Laboratory Blank*	*CDF-42: Laboratory Spike*
Lead Results						
Initial (12/22/2016)	**15**	**15**	**28**	**19**	*<1.0*	*14*
Fixtures Replaced (3/31/2017)	2.21	6.41	3.72	1.95	*<1.00*	*16.4*
EPA Action Level	**15**	**15**	**15**	**15**	**15**	**15**
Copper Results						
Initial (12/22/2016)	830	730	1,100	**1,600**	*<10*	*1,200*
Fixtures Replaced (3/31/2017)	-	-	-	303	*<0.5*	*1,270*
EPA Action Level	**1,300**	**1,300**	**1,300**	**1,300**	**1,300**	**1,300**

1 Results reported in micrograms per liter (µg/L) 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

P. 509.574.0839 F. 509.575.8453
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ATTACHMENT D

Initial Analytical Results

P. 509.574.0839 F. 509.575.8453
406 North 2nd Street
Yakima, Washington 98901
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RJ Lee*Group*, 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 42 sample(s) on 12/22/16 for analysis. These sample(s) have been assigned a login order number of W612123. Enclosed is the final report that consists of a summary report of the sample(s), and a copy of the chain of custody.

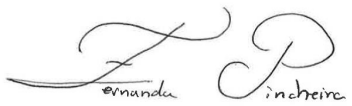
General Lab Comments

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.

Sample W612123-15 reported for Lead at DF1, thereby lowering the PQL.

All samples were diluted 1:10. Samples that exceeded the instrument calibration range were rerun at a 1:100 dilution, necessitating a 10-fold increase in the PQL. Each is noted with an "X" qualifier.

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:



02/17/17

Project Coordinator II, M. Fernanda Pincheira — Date

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

RJ LEE GROUP

Laboratory Report

Ryan Mathews

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

Client Project:

Fulcrum Kennewick

RJ Lee Group No.: W612123
COC No.: Kennewick
Samples Received: 12/22/16
Analysis/Prep Date: 02/15/17
Report Date: 02/17/17

Sample Name: AE122216-P-KF-01 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612123-01 **Date Analyzed:** 02/15/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.85	0.01	
Lead	EPA 200.8	0.002	0.001	

Sample Name: AE122216-P-KF-02 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612123-02 **Date Analyzed:** 02/15/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.67	0.01	
Lead	EPA 200.8	0.001	0.001	

Sample Name: AE122216-P-KF-03 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612123-03 **Date Analyzed:** 02/15/17

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: AE122216-P-KF-04 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612123-04 **Date Analyzed:** 02/15/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.64	0.01	
Lead	EPA 200.8	0.002	0.001	

Sample Name: AE122216-P-KF-05 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612123-05 **Date Analyzed:** 02/15/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.52	0.01	
Lead	EPA 200.8	0.002	0.001	

RJ LEE GROUP

Sample Name: AE122216-P-DF/WC-06 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612123-06 **Date Analyzed:** 02/15/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.43	0.01	
Lead	EPA 200.8	< 0.0010	0.001	

Sample Name: AE122216-P-CDF-07 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612123-07 **Date Analyzed:** 02/15/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.32	0.01	
Lead	EPA 200.8	< 0.0010	0.001	

Sample Name: AE122216-P-NF-08 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612123-08 **Date Analyzed:** 02/15/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.54	0.01	
Lead	EPA 200.8	0.001	0.001	

Sample Name: AE122216-P-OF-09 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612123-09 **Date Analyzed:** 02/15/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.57	0.01	
Lead	EPA 200.8	0.001	0.001	

Sample Name: AE122216-P-OF-10 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612123-10 **Date Analyzed:** 02/15/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.21	0.01	
Lead	EPA 200.8	< 0.0010	0.001	

Sample Name: AE122216-P-CF-11 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612123-11 **Date Analyzed:** 02/15/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.65	0.01	
Lead	EPA 200.8	0.006	0.001	

RJ LEE GROUP

Sample Name: AE122216-P-CF-12 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612123-12 **Date Analyzed:** 02/15/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.82	0.01	
Lead	EPA 200.8	0.006	0.001	

Sample Name: AE122216-P-CDF-13 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612123-13 **Date Analyzed:** 02/15/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.91	0.01	
Lead	EPA 200.8	< 0.0010	0.001	

Sample Name: AE122216-P-CF-14 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612123-14 **Date Analyzed:** 02/15/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.54	0.01	
Lead	EPA 200.8	0.011	0.001	

Sample Name: AE122216-P-CF-15 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612123-15 **Date Analyzed:** 02/13/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.56	0.01	
Lead	EPA 200.8	0.0060	0.0001	

Sample Name: AE122216-P-CDF-16 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612123-16 **Date Analyzed:** 02/15/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.73	0.01	
Lead	EPA 200.8	< 0.0010	0.001	

Sample Name: AE122216-P-CDF-17 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612123-17 **Date Analyzed:** 02/15/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.97	0.01	
Lead	EPA 200.8	< 0.0010	0.001	

RJ LEE GROUP

Sample Name: AE122216-P-CF-18 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612123-18 **Date Analyzed:** 02/15/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.63	0.01	
Lead	EPA 200.8	0.006	0.001	

Sample Name: AE122216-P-DF/WC-19 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612123-19 **Date Analyzed:** 02/15/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.15	0.01	
Lead	EPA 200.8	< 0.0010	0.001	

Sample Name: AE122216-P-CF-20 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612123-20 **Date Analyzed:** 02/15/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.69	0.01	
Lead	EPA 200.8	0.009	0.001	

Sample Name: AE122216-P-CF-21 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612123-21 **Date Analyzed:** 02/15/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.78	0.01	
Lead	EPA 200.8	0.012	0.001	

Sample Name: AE122216-P-CF-22 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612123-22 **Date Analyzed:** 02/15/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.61	0.01	
Lead	EPA 200.8	0.011	0.001	

Sample Name: AE122216-P-CDF-23 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612123-23 **Date Analyzed:** 02/15/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.55	0.01	
Lead	EPA 200.8	< 0.0010	0.001	

RJ LEE GROUP

Sample Name: AE122216-P-CF-24 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612123-24 **Date Analyzed:** 02/15/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.63	0.01	
Lead	EPA 200.8	0.002	0.001	

Sample Name: AE122216-P-CF-25 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612123-25 **Date Analyzed:** 02/15/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.65	0.01	
Lead	EPA 200.8	0.007	0.001	

Sample Name: AE122216-P-CF-26 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612123-26 **Date Analyzed:** 02/15/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.55	0.01	
Lead	EPA 200.8	0.006	0.001	

Sample Name: AE122216-P-CDF-27 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612123-27 **Date Analyzed:** 02/15/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.82	0.01	
Lead	EPA 200.8	< 0.0010	0.001	

Sample Name: AE122216-P-CF-28 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612123-28 **Date Analyzed:** 02/15/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.78	0.01	
Lead	EPA 200.8	0.011	0.001	

Sample Name: AE122216-P-CF-29 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612123-29 **Date Analyzed:** 02/15/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.60	0.01	
Lead	EPA 200.8	0.005	0.001	

RJ LEE GROUP

Sample Name: AE122216-P-CF-30 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612123-30 **Date Analyzed:** 02/15/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.80	0.01	
Lead	EPA 200.8	< 0.0010	0.001	

Sample Name: AE122216-P-CDF-31 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612123-31 **Date Analyzed:** 02/15/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.80	0.01	
Lead	EPA 200.8	< 0.0010	0.001	

Sample Name: AE122216-P-CF-32 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612123-32 **Date Analyzed:** 02/15/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.73	0.01	
Lead	EPA 200.8	0.004	0.001	

Sample Name: AE122216-P-CF-33 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612123-33 **Date Analyzed:** 02/15/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.83	0.01	
Lead	EPA 200.8	0.015	0.001	

Sample Name: AE122216-P-CF-34 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612123-34 **Date Analyzed:** 02/15/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.73	0.01	
Lead	EPA 200.8	0.015	0.001	

Sample Name: AE122216-P-CDF-35 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612123-35 **Date Analyzed:** 02/15/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.82	0.01	
Lead	EPA 200.8	< 0.0010	0.001	

RJ LEE GROUP

Sample Name: AE122216-P-CF-36 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612123-36 **Date Analyzed:** 02/15/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	< 0.010	0.01	
Lead	EPA 200.8	< 0.0010	0.001	

Sample Name: AE122216-P-CF-37 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612123-37 **Date Analyzed:** 02/15/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.48	0.01	
Lead	EPA 200.8	0.008	0.001	

Sample Name: AE122216-P-CDF-38 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612123-38 **Date Analyzed:** 02/15/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.62	0.01	
Lead	EPA 200.8	< 0.0010	0.001	

Sample Name: AE122216-P-OF-39 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612123-39 **Date Analyzed:** 02/16/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	1.1	0.1	X
Lead	EPA 200.8	0.028	0.001	

Sample Name: AE122216-P-OF-40 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612123-40 **Date Analyzed:** 02/16/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	1.6	0.1	X
Lead	EPA 200.8	0.019	0.001	

Sample Name: AE122216-P-CF-41 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612123-41 **Date Analyzed:** 02/16/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	< 0.010	0.01	
Lead	EPA 200.8	< 0.0010	0.001	

RJ LEE GROUP

Sample Name: AE122216-P-CDF-42 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612123-42 **Date Analyzed:** 02/16/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	1.2	0.1	X
Lead	EPA 200.8	0.014	0.001	

Report Qualifiers:

A = Target Analyte media breakthrough suspect, see analytical report
B = Analyte detected in the associated blank
D = Analyte analyzed in a dilution
d = Data that exceeds the RSD criteria set by the SOP
E = Report concentration was above the instrument calibration range
H = Holding times for preparation or analysis exceeded
J = Analyte detected below quantitation limits, concentration is estimated
L = Sample condition at receipt out of compliance with method defined conditions
P = Library spectrum match, rsd >90% w RT match
R = RPD (relative percent difference) outside accepted recovery limits
Q = Result out of method specific acceptance QC criteria
U = Analyte analyzed for but not detected
S = Spike Recovery outside accepted recovery limits
N/A = Not Applicable
Z = Not ELAP accredited analyte
ND = Not Detected

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Request for Environmental and IH Laboratory Analytical Services

W612123

ATTENTION TO:	**RYAN MATHEWS**	Purchase Order No.:	Client Job No.: **162017**

Lab Use Only	Project No.:	Client No:
	Date Logged In:	Logged In By:
Report Results To	Name: Amanda Enbysk, Ryan Mathews	
	Company: Fulcrum Environmental Consulting	
	Address: 406 North 2nd Street	
	City, State, Zip: Yakima, WA, 98901	
	Phone: (509) 574-0839 Fax: (509) 575-8453	
	Call with Verbal Results:	
	Email Results To: aenbysk@efulcrum.net, **CC:** rmathews@efulcrum.net	
	Fax Results To:	
Send Invoice To	Name: Lorrie Boutillier	
	Company: Fulcrum Environmental Email: lboutillier@efulcrum.net	
	Address: 406 North 2nd Street	
	City, State, Zip: Yakima, WA, 98901	
	Phone: (509) 574-0839 Fax: (509) 575-8453	
Special Instructions		

Turnaround Request: Standard: Yes No If 'No,' No. of Business Days:

Drinking Water Sample Only: Sample Purpose: Information X Regulatory □ Accreditation (please list below):
System ID #:
DOH Source #:
Multiple Sources #s:
Sample Purpose: A □ B □ Other □

Chemistry Analysis Key

Preservation:		Matrix:		Container:
Unpres	H_2SO_4	WW=Wastewater	SW=Surface Water	P=Plastic
4°C	HCl	GW=Groudwater	DW=Drinking Water	G=Glass
HNO_3	NaOH	S=Soil/Sludge	O=Oil	W=Wipe
Other	Na_2SO_4	E=Extract	X=Other	A=Air (filter or tube)

Client Sample ID	Sample Description	Sample Date	Sample Time Start	Sample Time Stop	Wipe Area / Air Volume	Analysis Requested: EPA 200.8: Pb, Cu	Pres. Upon Receipt (Y/N)	Preservation	Matrix	Container Type	pH	No. Containers	
AB122216-P-KF-01	Kitchen faucet	12-22-16				X		UNPR.	DW	P			15.6
AB122216-P-KF-02													15.8
AB122216-P-KF-03													16.4
AB122216-P-KF-04													16.4
AB122216-P-KF-05													15.6
AB122216-P-DF/WC-06	Gym												15.8
AB122216-P-COF-07	Music RM												14.4
AB122216-P-NF-08	Nurse Office												15.2
AB122216-P-OF-09	T-lounge faucet												15.4
AB122216-P-OF-10	T-lounge Hot water												16.4
AB122216-P-OF-11	Hallway-Class faucet-RM16												15.6

Chain of Custody	Relinquished By (Signature): Nathan Bostrom	Date: 12-22-16	Time: 2:20	Received By (Signature):	Date: DEC 22 2016 Time: 1420
	Relinquished By (Print Name): Nathan Bostrom	Relinquished To:		Received By (Print Name):	Relinquished To:
	Company Name: Fulcrum	Method of Shipment:		Company Name:	Method of Shipment:
Chain of Custody	Relinquished By (Signature):	Date:	Time:	Received By (Signature):	Date: Time:
	Relinquished By (Print Name):	Relinquished To:		Received By (Print Name):	Relinquished To:
	Company Name:	Method of Shipment:		Company Name:	Method of Shipment:

Pennsylvania - HQ
350 Hochberg Road
Monroeville, PA 15146

724.325.1776 **Phone**
724.733.1799 **Fax**

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

509.545.4989 **Phone**
509.544.6010 **Fax**

RJ LEE GROUP
DELIVERING SCIENTIFIC RESOLUTION

Request for Environmental and IH Laboratory Analytical Services

ATTENTION TO:	**RYAN MATHEWS**	Purchase Order No.:	Client Job No.: **162017**

Lab Use Only	Project No.:	Client No:	
	Date Logged In:	Logged In By:	
Report Results To	Name: Amanda Enbysk, Ryan Mathews		
	Company: Fulcrum Environmental Consulting		
	Address: 406 North 2nd Street		
	City, State, Zip: Yakima, WA, 98901		
	Phone: (509) 574-0839	Fax: (509) 575-8453	
	Call with Verbal Results:		
	Email Results To: aenbysk@efulcrum.net, **CC:** rmathews@efulcrum.net		
	Fax Results To:		
Send Invoice To	Name: Lorrie Boutillier		
	Company: Fulcrum Environmental	Email: lboutillier@efulcrum.net	
	Address: 406 North 2nd Street		
	City, State, Zip: Yakima, WA, 98901		
	Phone: (509) 574-0839	Fax: (509) 575-8453	
Special Instructions			

Turnaround Request: Standard: Yes No If 'No,' No. of Business Days:

Drinking Water Sample Only: Sample Purpose: Information X Regulatory □ Accreditation (please list below):
System ID #:
DOH Source #:
Multiple Sources #s:
Sample Purpose: A □ B □ Other □

Chemistry Analysis Key

Preservation:		Matrix:		Container:
Unpres	H_2SO_4	WW=Wastewater	SW=Surface Water	P=Plastic
4°C	HCl	GW=Groudwater	DW=Drinking Water	G=Glass
HNO_3	NaOH	S=Soil/Sludge	O=Oil	W=Wipe
Other	Na_2SO_4	E=Extract	X=Other	A=Air (filter or tube)

Client Sample ID	Sample Description	Sample Date	Sample Time Start	Sample Time Stop	Wipe Area / Air Volume	Analysis Requested: EPA 200.8: Pb, Cu	Pres. Upon Receipt (Y/N)	Preservation	Matrix	Container Type	pH	No. Containers	
AE122216-P-CF-12	RM-19	6-22-16				Y		UNPR	DW	P			17.3
AE122216-P-CDF-13	RM-18												16.1
AE122216-P-CF-14	RM-17												14.1
AE122216-P-CF-15	Hallway next to RM 16												15.4
AE122216-P-CDF-16	RM 16												15.4
AE122216-P-CDF-17	RM-15												14.9
AE122216-P-CF-18	RM-M												14.9
AE122216-P-DF/WC-19	Common work												15.1
AE122216-P-CF-20	RM-13												14.6
AE122216-P-CF-21	Hallway next to rm 13												15.1
AE122216-P-CF-22	RM-12												13.0

Chain of Custody	Relinquished By (Signature):	Date: 12-22-16	Time: 2:20	Received By (Signature):	Date: DEC 22 2016 Time: 1420
	Relinquished By (Print Name): Nathan Bostrom	Relinquished To:		Received By (Print Name):	Relinquished To:
	Company Name:	Method of Shipment:		Company Name:	Method of Shipment:
Chain of Custody	Relinquished By (Signature):	Date:	Time:	Received By (Signature):	Date: Time:
	Relinquished By (Print Name):	Relinquished To:		Received By (Print Name):	Relinquished To:
	Company Name:	Method of Shipment:		Company Name:	Method of Shipment:

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350 Hochberg Road
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RJ LEE GROUP
DELIVERING SCIENTIFIC RESOLUTION

Request for Environmental and IH Laboratory Analytical Services

ATTENTION TO:	RYAN MATHEWS	Purchase Order No.:	Client Job No.: 162017

Lab Use Only	Project No.:	Client No:	
	Date Logged In:	Logged In By:	
Report Results To	Name: Amanda Enbysk, Ryan Mathews		
	Company: Fulcrum Environmental Consulting		
	Address: 406 North 2nd Street		
	City, State, Zip: Yakima, WA, 98901		
	Phone: (509) 574-0839	Fax: (509) 575-8453	
	Call with Verbal Results:		
	Email Results To: aenbysk@efulcrum.net, CC: rmathews@efulcrum.net		
	Fax Results To:		
Send Invoice To	Name: Lorrie Boutillier		
	Company: Fulcrum Environmental	Email: lboutillier@efulcrum.net	
	Address: 406 North 2nd Street		
	City, State, Zip: Yakima, WA, 98901		
	Phone: (509) 574-0839	Fax: (509) 575-8453	
Special Instructions			

Turnaround Request: Standard: Yes / No — If 'No,' No. of Business Days:

Drinking Water Sample Only: Sample Purpose: Information X Regulatory □ Accreditation (please list below): System ID #: DOH Source #: Multiple Sources #s: Sample Purpose: A □ B □ Other □

Chemistry Analysis Key:
Preservation: Unpres, 4°C, HNO_3, Other, H_2SO_4, HCl, NaOH, Na_2SO_4
Matrix: WW=Wastewater, GW=Groudwater, S=Soil/Sludge, E=Extract, SW=Surface Water, DW=Drinking Water, O=Oil, X=Other
Container: P=Plastic, G=Glass, W=Wipe, A=Air (filter or tube)

Client Sample ID	Sample Description	Sample Date	Sample Time Start	Sample Time Stop	Wipe Area / Air Volume	Analysis Requested: EPA 200.8: Pb, Cu	Pres. Upon Receipt (Y/N)	Preservation	Matrix	Container Type	pH	No. Containers	
AE122216-P-COF-23	RM 11	12-22-16				X		UNPR	DW	P			14.6
AE122216-P-CF-24	Hallway next to RM 7												14.5
AE122216-P-CF-25	RM 9												14.6
AE122216-P-CF-26	RM 8												14.3
AE122216-P-COF-27	RM 7												13.1
AE122216-P-CF-28	Hallway next to RM 5												13.9
AE122216-P-CF-29	RM 6												12.9
AE122216-P-CF-30	RM 5												13.1
AE122216-P-COF-31	RM 4												13.6
AE122216-P-CF-32	RM 3												12.7
AE122216-P-CF-33	See map												13.4

Chain of Custody	Relinquished By (Signature): Nathan Bostrom	Date: 12-22-16	Time: 2:20
	Relinquished By (Print Name): Nathan Bostrom	Relinquished To:	
	Company Name:	Method of Shipment:	
Chain of Custody	Received By (Signature):	Date: DEC 22 2016	Time: 1420
	Received By (Print Name):	Relinquished To:	
	Company Name: RJ Lee	Method of Shipment:	
Chain of Custody	Relinquished By (Signature):	Date:	Time:
	Relinquished By (Print Name):	Relinquished To:	
	Company Name:	Method of Shipment:	
Chain of Custody	Received By (Signature):	Date:	Time:
	Received By (Print Name):	Relinquished To:	
	Company Name:	Method of Shipment:	

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Pasco, WA 99301

509.545.4989 **Phone**
509.544.6010 **Fax**

RJ LEE GROUP
DELIVERING SCIENTIFIC RESOLUTION

Request for Environmental and IH Laboratory Analytical Services

ATTENTION TO:	**RYAN MATHEWS**	Purchase Order No.:	Client Job No.: **162017**

Lab Use Only	Project No.:	Client No:	
	Date Logged In:	Logged In By:	
Report Results To	Name: Amanda Enbysk, Ryan Mathews		
	Company: Fulcrum Environmental Consulting		
	Address: 406 North 2nd Street		
	City, State, Zip: Yakima, WA, 98901		
	Phone: (509) 574-0839	Fax: (509) 575-8453	
	Call with Verbal Results:		
	Email Results To: aenbysk@efulcrum.net, **CC:** rmathews@efulcrum.net		
	Fax Results To:		
Send Invoice To	Name: Lorrie Boutillier		
	Company: Fulcrum Environmental	Email: lboutillier@efulcrum.net	
	Address: 406 North 2nd Street		
	City, State, Zip: Yakima, WA, 98901		
	Phone: (509) 574-0839	Fax: (509) 575-8453	
Special Instructions			

Turnaround Request: Standard: Yes / No — If 'No,' No. of Business Days:

Drinking Water Sample Only: Sample Purpose: Information X Regulatory □ Accreditation (please list below):
System ID #:
DOH Source #:
Multiple Sources #s:
Sample Purpose: A □ B □ Other □

Chemistry Analysis Key

Preservation:		Matrix:		Container:
Unpres	H_2SO_4	WW=Wastewater	SW=Surface Water	P=Plastic
4°C	HCl	GW=Groudwater	DW=Drinking Water	G=Glass
HNO_3	NaOH	S=Soil/Sludge	O=Oil	W=Wipe
Other	Na_2SO_4	E=Extract	X=Other	A=Air (filter or tube)

Client Sample ID	Sample Description	Sample Date	Sample Time Start	Sample Time Stop	Wipe Area / Air Volume	Analysis Requested: EPA 200.8: Pb, Cu	Pres. Upon Receipt (Y/N)	Preservation	Matrix	Container Type	pH	No. Containers	
AE122216-P-CF-34	Special Program	12-22-16				†		UNPR.	DW	P			13.8
AE122216-P-CF-35	RM 2												13.1
AE122216-P-CF-36	RM 2												13.9
AE122216-P-CF-37	RM 1												13.6
AE122216-P-CF-38	RM 1												13.6
AE122216-P-OF-39	Library												13.4
AE122216-P-OF-40	Office across from teacher lounge												13.8
AE122216-P-CF-41	RM 10												12.9
AE122216-P-CF-42	RM 10												13.1

Chain of Custody	Relinquished By (Signature): Nath R	Date: 12-22-16	Time: 2:20	Received By (Signature):	Date: DEC 22 2016 Time: 1420
	Relinquished By (Print Name): Nathan Bostian	Relinquished To:		Received By (Print Name):	Relinquished To:
	Company Name: Fulcrum	Method of Shipment:		Company Name: Rolle	Method of Shipment:
Chain of Custody	Relinquished By (Signature):	Date:	Time:	Received By (Signature):	Date: Time:
	Relinquished By (Print Name):	Relinquished To:		Received By (Print Name):	Relinquished To:
	Company Name:	Method of Shipment:		Company Name:	Method of Shipment:

Pennsylvania - HQ
350 Hochberg Road
Monroeville, PA 15146

724.325.1776 **Phone**
724.733.1799 **Fax**

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

509.545.4989 **Phone**
509.544.6010 **Fax**

RJ LEE GROUP
DELIVERING SCIENTIFIC RESOLUTION

FULCRUM environmental consulting

ATTACHMENT E

Remedial Analytical Results

P. 509.574.0839 F. 509.575.8453
406 North 2nd Street
Yakima, Washington 98901
efulcrum.net

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: Kennewick SD Drinking Water-Amistad Elementary
Work Order Number: 1704003

April 03, 2017

Attention Ryan Mathews:

Fremont Analytical, Inc. received 14 sample(s) on 4/3/2017 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

CLIENT: Fulcrum Environmental
Project: Kennewick SD Drinking Water-Amistad Ele
Work Order: 1704003

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1704003-001	AE33117-P-CF-33	03/31/2017 6:30 AM	04/03/2017 9:22 AM
1704003-002	AE33117-S-CF-33	03/31/2017 6:30 AM	04/03/2017 9:22 AM
1704003-003	AE33117-T-CF-33	03/31/2017 6:30 AM	04/03/2017 9:22 AM
1704003-004	AE33117-P-CF-34	03/31/2017 6:30 AM	04/03/2017 9:22 AM
1704003-005	AE33117-S-CF-34	03/31/2017 6:30 AM	04/03/2017 9:22 AM
1704003-006	AE33117-T-CF-34	03/31/2017 6:30 AM	04/03/2017 9:22 AM
1704003-007	AE33117-P-OF-39	03/31/2017 6:30 AM	04/03/2017 9:22 AM
1704003-008	AE33117-S-OF-39	03/31/2017 6:30 AM	04/03/2017 9:22 AM
1704003-009	AE33117-T-OF-39	03/31/2017 6:30 AM	04/03/2017 9:22 AM
1704003-010	AE33117-P-OF-40	03/31/2017 6:30 AM	04/03/2017 9:22 AM
1704003-011	AE33117-S-OF-40	03/31/2017 6:30 AM	04/03/2017 9:22 AM
1704003-012	AE33117-T-OF-40	03/31/2017 6:30 AM	04/03/2017 9:22 AM
1704003-013	AE33117-P-CF-41	03/31/2017 6:30 AM	04/03/2017 9:22 AM
1704003-014	AE33117-P-CF-42	03/31/2017 6:30 AM	04/03/2017 9:22 AM

Case Narrative

WO#: **1704003**
Date: **4/3/2017**

CLIENT: Fulcrum Environmental
Project: Kennewick SD Drinking Water-Amistad Elementary

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:
1704003-001A 213712: Prep Comments for EPA200.8, Sample 1704003-001A: Turbidity: 0.40 NTU
1704003-004A 213713: Prep Comments for EPA200.8, Sample 1704003-004A: Turbidity: 0.93 NTU
1704003-007A 213714: Prep Comments for EPA200.8, Sample 1704003-007A: Turbidity: 0.05 NTU
1704003-010A 213715: Prep Comments for EPA200.8, Sample 1704003-010A: Turbidity: 0.17 NTU
1704003-013A 213716: Prep Comments for EPA200.8, Sample 1704003-013A: Turbidity: 0.00 NTU
1704003-014A 213717: Prep Comments for EPA200.8, Sample 1704003-014A: Turbidity: 0.01 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

CLIENT: Fulcrum Environmental
Project: Kennewick SD Drinking Water-Amistad Elementary

Lab ID: 1704003-001 **Collection Date:** 3/31/2017 6:30:00 AM
Client Sample ID: **AE33117-P-CF-33** **Matrix:** Drinking Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Drinking Water Metals by EPA Method 200.8				Batch ID: 16676		Analyst: TN
Lead	2.21	1.00		µg/L	1	4/3/2017 1:59:47 PM

Lab ID: 1704003-004 **Collection Date:** 3/31/2017 6:30:00 AM
Client Sample ID: **AE33117-P-CF-34** **Matrix:** Drinking Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Drinking Water Metals by EPA Method 200.8				Batch ID: 16676		Analyst: TN
Lead	6.41	1.00		µg/L	1	4/3/2017 2:03:48 PM

Lab ID: 1704003-007 **Collection Date:** 3/31/2017 6:30:00 AM
Client Sample ID: **AE33117-P-OF-39** **Matrix:** Drinking Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Drinking Water Metals by EPA Method 200.8				Batch ID: 16676		Analyst: TN
Lead	3.72	1.00		µg/L	1	4/3/2017 2:07:49 PM

CLIENT: Fulcrum Environmental
Project: Kennewick SD Drinking Water-Amistad Elementary

Lab ID: 1704003-010 **Collection Date:** 3/31/2017 6:30:00 AM
Client Sample ID: **AE33117-P-OF-40** **Matrix:** Drinking Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Drinking Water Metals by EPA Method 200.8				Batch ID: 16676		Analyst: TN
Copper	303	0.500		µg/L	1	4/3/2017 2:23:18 PM
Lead	1.95	1.00		µg/L	1	4/3/2017 2:23:18 PM

Lab ID: 1704003-013 **Collection Date:** 3/31/2017 6:30:00 AM
Client Sample ID: **AE33117-P-CF-41** **Matrix:** Drinking Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Drinking Water Metals by EPA Method 200.8				Batch ID: 16676		Analyst: TN
Copper	ND	0.500		µg/L	1	4/3/2017 2:27:19 PM
Lead	ND	1.00		µg/L	1	4/3/2017 2:27:19 PM

Lab ID: 1704003-014 **Collection Date:** 3/31/2017 6:30:00 AM
Client Sample ID: **AE33117-P-CF-42** **Matrix:** Drinking Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Drinking Water Metals by EPA Method 200.8				Batch ID: 16676		Analyst: TN
Copper	1,270	0.500		µg/L	1	4/3/2017 2:31:21 PM
Lead	16.4	1.00		µg/L	1	4/3/2017 2:31:21 PM

Work Order: 1704003
CLIENT: Fulcrum Environmental
Project: Kennewick SD Drinking Water-Amistad Ele

QC SUMMARY REPORT

Drinking Water Metals by EPA Method 200.8

Sample ID	**MB-16676**	SampType:	**MBLK**	Units:	**µg/L**	Prep Date:	**4/3/2017**	RunNo:	**35295**
Client ID:	**MBLKW**	Batch ID:	**16676**			Analysis Date:	**4/3/2017**	SeqNo:	**675377**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	0.500									
Lead	ND	1.00									

Sample ID	**LCS-16676**	SampType:	**LCS**	Units:	**µg/L**	Prep Date:	**4/3/2017**	RunNo:	**35295**
Client ID:	**LCSW**	Batch ID:	**16676**			Analysis Date:	**4/3/2017**	SeqNo:	**675378**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	98.8	0.500	100.0	0	98.8	85	115				
Lead	55.6	1.00	50.00	0	111	85	115				

Sample ID	**1704001-001ADUP**	SampType:	**DUP**	Units:	**µg/L**	Prep Date:	**4/3/2017**	RunNo:	**35295**
Client ID:	**BATCH**	Batch ID:	**16676**			Analysis Date:	**4/3/2017**	SeqNo:	**675380**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	347	0.500						366.4	5.37	30	
Lead	1.90	1.00						2.037	7.05	30	

Sample ID	**1704001-001AMS**	SampType:	**MS**	Units:	**µg/L**	Prep Date:	**4/3/2017**	RunNo:	**35295**
Client ID:	**BATCH**	Batch ID:	**16676**			Analysis Date:	**4/3/2017**	SeqNo:	**675381**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	544	0.500	200.0	366.4	88.8	70	130				
Lead	103	1.00	100.0	2.037	101	70	130				

Sample ID	**1704001-001AMSD**	SampType:	**MSD**	Units:	**µg/L**	Prep Date:	**4/3/2017**	RunNo:	**35295**
Client ID:	**BATCH**	Batch ID:	**16676**			Analysis Date:	**4/3/2017**	SeqNo:	**675384**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	551	0.500	200.0	366.4	92.5	70	130	544.0	1.35	30	

Work Order: 1704003
CLIENT: Fulcrum Environmental
Project: Kennewick SD Drinking Water-Amistad Ele

QC SUMMARY REPORT

Drinking Water Metals by EPA Method 200.8

Sample ID	**1704001-001AMSD**	SampType: **MSD**			Units: **µg/L**		Prep Date: **4/3/2017**		RunNo: **35295**		
Client ID:	**BATCH**	Batch ID: **16676**					Analysis Date: **4/3/2017**		SeqNo: **675384**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	104	1.00	100.0	2.037	102	70	130	102.8	1.24	30	

Sample Log-In Check List

Client Name:	**FE**	Work Order Number:	**1704003**
Logged by:	**Erica Silva**	Date Received:	**4/3/2017 9:22:00 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 ☐ HNO3
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:

HNO3 added to 002A, 003A, 005A, 006A, 008A, 009A, 011A, 012A

Item Information

Item #	Temp ºC
Cooler	5.4
Sample	1.1

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

Chain of Custody Record and Laboratory Services Agreement

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

Date: 3/31/2017 Laboratory Project No (internal): 1704003

Page: 1 of: 2

Project Name: Kennewick SD Drinking water – Amistead Elementary
Project No: 162017.24 Collected by: Amanda Enbysk
Location: Amistad Elementary, Kennewick, WA
Report To (PM): Ryan Mathews
PM Email: rmathews@efulcrum.net; cc: aenbysk@efulcrum.net

Client: Fulcrum Environmental Consulting
Address: 406 North Second Street
City, State, Zip: Yakima, WA, 98901
Telephone: 509.574.0839 Fax: 509.575.8453

*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
1	AE33117-P-CF-33	3/31/17	0630	DW									X					HNO_3 preserved; Pb only
2	AE33117-S-CF-33																	HOLD; unp.
3	AE33117-T-CF-33																	↓
4	AE33117-P-CF-34												X					HNO_3 preserved; Pb only
5	AE33117-S-CF-34																	HOLD; unp.
6	AE33117-T-CF-34																	↓
7	AE33117-P-OF-39												X					HNO_3 pres; Pb only
8	AE33117-S-OF-39																	HOLD; unpr.
9	AE33117-T-OF-39																	↓
10	AE33117-P-OF-40												X					HNO_3 preserved; Pb + Cu

**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 Ti Tl 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.

Special Remarks: Please preserve all unpr. samples

TAT: ASAP

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 Amanda M Enbysk	3/31/2017; 1606	x	4/3/17 0922
Relinquished	Date/Time	Received	Date/Time
x		x	

TAT → SameDay^ NextDay^ 2 Day 3 Day STD

^Please coordinate with the lab in advance

Chain of Custody Record and Laboratory Services Agreement

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

Date: 3/31/2017 Laboratory Project No (internal): 1704003

Page: 2 of: 2

Client: Fulcrum Environmental Consulting
Address: 406 North Second Street
City, State, Zip: Yakima, WA, 98901
Telephone: 509.574.0839 Fax: 509.575.8453

Project Name: Kennewick SO Drinking water - Amistad Elementary
Project No: 162017.24 Collected by: Amanda Enbysk
Location: Amistad Elementary, Kennewick, WA
Report To (PM): Ryan Mathews
PM Email: rmathews@efulcrum.net; cc: aenbysk@efulcrum.net

*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
1 AE33117-S-OF-40	3/31/17	0630	DW														HOLD; unpr.
2 AE33117-T-OF-40	↓	↓	↓														↓
3 AE33117-P-CF-41												⊗					HNO_3 preserved; Pb+Cu
4 AE33117-P-CF-42	↓	↓	↓									⊗					↓ ↓
5																	
6		OE															
7																	
8																	
9																	
10																	

**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 Ti Tl 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.

Special Remarks: see page 1

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 Amanda M Enbysk	3/31/2017; 1600	x	4/3/17 0922
Relinquished	Date/Time	Received	Date/Time
x		x	

TAT → SameDay^ NextDay^ 2 Day 3 Day STD

^Please coordinate with the lab in advance

FULCRUM environmental consulting

ATTACHMENT F

Fixture Style Photographs

P. 509.574.0839 F. 509.575.8453
406 North 2nd Street
Yakima, Washington 98901
efulcrum.net

Sample AE122216-P-CF-33: **15 µg/L** initial lead concentration. Fixture style above is identified producing elevated lead concentrations.

Sample AE122216-P-CF-21: 12 µg/L initial lead concentration. Same fixture style as initial samples with elevated lead concentrations.

P. 509.574.0839 F. 509.575.8453
406 North 2nd Street
Yakima, Washington 98901
efulcrum.net