

July 21, 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  
Mark Twain Elementary School, 1801 North Road 40, Pasco, Washington**

Dear Randy:

On Friday, November 11, 2016, Fulcrum Environmental Consulting, Inc. (Fulcrum) collected 65 drinking water samples for lead and copper analysis from Mark Twain Elementary School (School) located at 1801 North Road 40 in Pasco, Washington. The sampling was completed as part of a District-wide project.

The purpose of 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<sup>1</sup>. 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.

### Summary

Fulcrum completed initial sampling in the building on November 11, 2016. Analytical results indicate that all of the samples were below the Environmental Protection Agency (EPA) action level of 15 micrograms per liter (µg/L) for lead and 1,300 µg/L for copper.

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.

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<sup>1</sup> 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

## 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 or copper are present, this first-draw sample typically contains the highest lead and copper levels.

Field evaluation of pH and temperature of drinking water was completed during the initial cold water flush and immediately following sample collection on select fixtures.

## 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.

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 in English and Spanish indicating that 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 immediately placed on ice in a chilled cooler.

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.

Collected samples were delivered under chain-of-custody to RJ Lee Group’s Columbia Basin Analytical Laboratory (Lab ID: C859-16) in Pasco, Washington for analysis.

## Analytical Results

Samples were analyzed for lead and copper in drinking water by EPA Method 200.8. Sample locations 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. The analytical results from this project are summarized in Table 1 located in Attachment C of this letter. Laboratory analytical results from the sampling event are located in Attachment D of this letter.

In addition, pH and temperature data is presented in Table 2 in Attachment C of this letter.

## Discussion

Analytical results indicate that all of the samples were below the action level of 15 micrograms per liter ( $\mu\text{g/L}$ ) for lead and 1,300  $\mu\text{g/L}$  for copper.

## Recommendations

Although all samples collected contain detectable amounts of lead and copper, the concentrations identified are below the EPA action levels of 15  $\mu\text{g/L}$  for lead and 1,300  $\mu\text{g/L}$  for copper.

At this time, Fulcrum does not recommend any additional sampling at Mark Twain Elementary School. 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



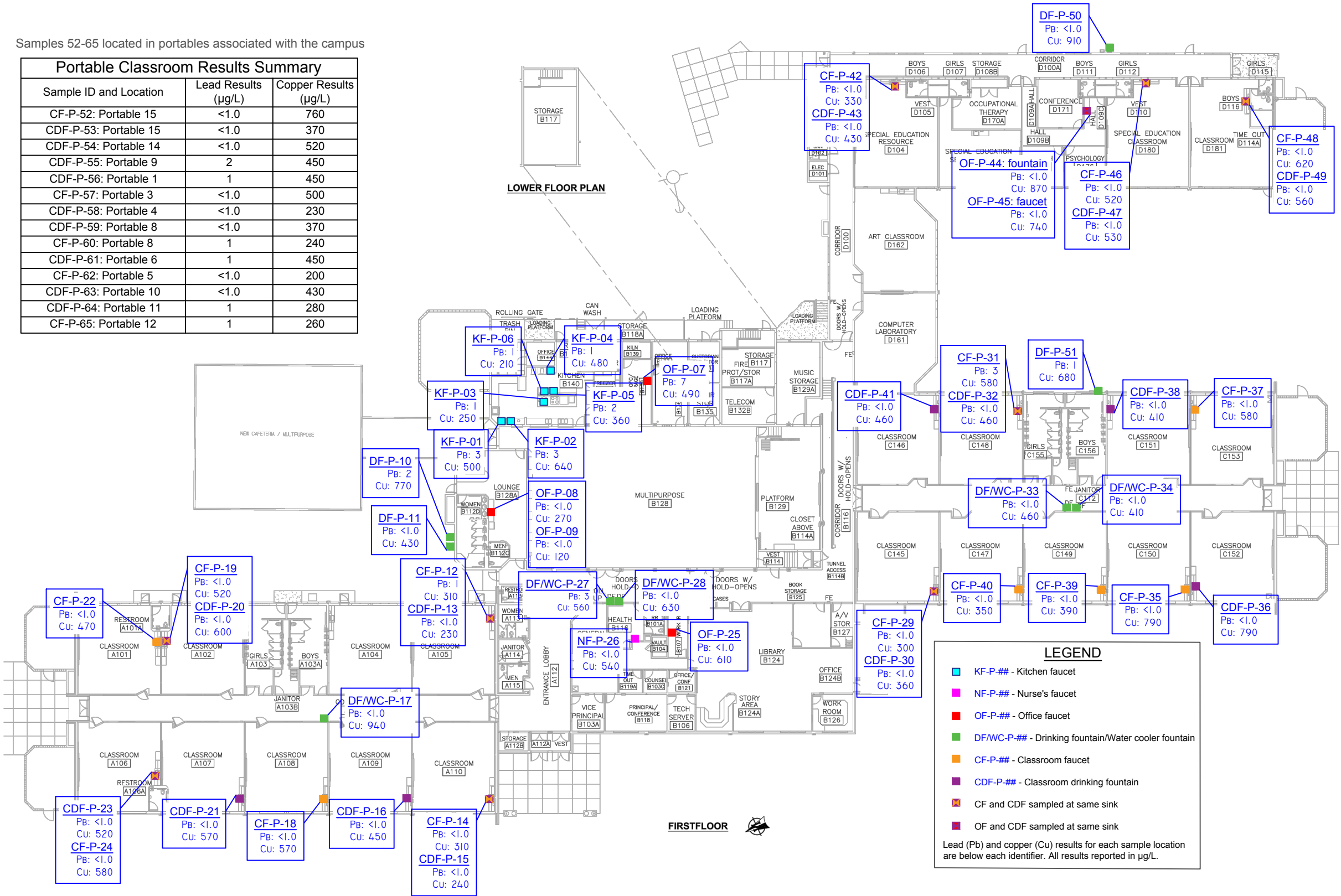
## **ATTACHMENT A**

Figure 1: Sample Location Map



Samples 52-65 located in portables associated with the campus

| Portable Classroom Results Summary |                     |                       |
|------------------------------------|---------------------|-----------------------|
| Sample ID and Location             | Lead Results (µg/L) | Copper Results (µg/L) |
| CF-P-52: Portable 15               | <1.0                | 760                   |
| CDF-P-53: Portable 15              | <1.0                | 370                   |
| CDF-P-54: Portable 14              | <1.0                | 520                   |
| CDF-P-55: Portable 9               | 2                   | 450                   |
| CDF-P-56: Portable 1               | 1                   | 450                   |
| CF-P-57: Portable 3                | <1.0                | 500                   |
| CDF-P-58: Portable 4               | <1.0                | 230                   |
| CDF-P-59: Portable 8               | <1.0                | 370                   |
| CF-P-60: Portable 8                | 1                   | 240                   |
| CDF-P-61: Portable 6               | 1                   | 450                   |
| CF-P-62: Portable 5                | <1.0                | 200                   |
| CDF-P-63: Portable 10              | <1.0                | 430                   |
| CDF-P-64: Portable 11              | 1                   | 280                   |
| CF-P-65: Portable 12               | 1                   | 260                   |



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: Mark Twain Elementary School Address: 1801 North Road 40 Pasco, WA 99301

☒ Elementary ☐ Middle School ☐ High School ☐ Administration

Date of Construction: 1956 Modernizations: 1999

| Fixture Type                                                                       | Fixture Locations | Fixture Styles <sup>1</sup> | Samples Collected | Ratio      |
|------------------------------------------------------------------------------------|-------------------|-----------------------------|-------------------|------------|
| Drinking fountain/water cooler (DF/WC)                                             | 11                | 2                           | 9                 | 82%        |
| Kitchen Fixture (KF)                                                               | 6                 | 6                           | 6                 | 100%       |
| Classroom faucet, including faucets in Food Labs and Life Sciences Classrooms (CF) | 39                | 2                           | 20                | 51%        |
| Classroom drinking fountain at sink (CDF)                                          | 40                | 4                           | 24                | 60%        |
| Nurse's Office/Health Room (NF)                                                    | 1                 | 1                           | 1                 | 100%       |
| Teacher's Lounges/Work Rooms (OF)                                                  | 5                 | 3                           | 5                 | 100%       |
| <b>TOTALS</b>                                                                      | <b>102</b>        |                             | <b>65</b>         | <b>64%</b> |

<sup>1</sup> Fixture styles are approximate and based on sampler's observations

Lead Sampler: Nathan Bostrom Date: 11/11/2016

Sample Prefix: TWA - 111116 -  - P (first-draw) - 01 to 67  
                     School Code      Date      Fixture Type      Sample Type      Sample Number

Laboratory: R. J. Lee Group, Columbia Basin Analytical Delivery Date: November 11, 2016

Comments:

-One exterior drinking fountain non-functional during initial sampling

## **ATTACHMENT C**

Table 1: Analytical Results Summary Table  
Table 2: pH and Temperature Data Summary Table

**Table 1: Initial Sampling Analytical Results**

| Sample Identification and Location                                | Type of Fixture             | Lead Results (µg/L) <sup>1</sup> | Copper Results (µg/L) |
|-------------------------------------------------------------------|-----------------------------|----------------------------------|-----------------------|
| TWA-111116-KF-P-01: West wall kitchen, N. fixture                 | Kitchen Faucet              | 3                                | 500                   |
| TWA-111116-KF-P-02: West wall kitchen, S. fixture                 | Kitchen Faucet              | 3                                | 640                   |
| TWA-111116-KF-P-03: Kitchen vat fill                              | Kitchen Faucet              | 1                                | 250                   |
| TWA-111116-KF-P-04: Kitchen east handwash station                 | Kitchen Faucet              | 1                                | 480                   |
| TWA-111116-KF-P-05: Kitchen island, left fixture at 3 basin sink  | Kitchen Faucet              | 2                                | 360                   |
| TWA-111116-KF-P-06: Kitchen island, right fixture at 3 basin sink | Kitchen Faucet              | 1                                | 210                   |
| TWA-111116-OF-P-07: Art Office                                    | Office Faucet               | 7                                | 490                   |
| TWA-111116-OF-P-08: Staff Lounge                                  | Office Faucet               | <1.0                             | 270                   |
| TWA-111116-OF-P-09: Staff Lounge, instant hot                     | Office Faucet               | <1.0                             | 120                   |
| TWA-111116-DF-P-10: Exterior north of lobby, left fixture         | Drinking Fountain           | 2                                | 770                   |
| TWA-111116-DF-P-11: Exterior north of lobby, right fixture        | Drinking Fountain           | <1.0                             | 430                   |
| TWA-111116-CF-P-12: Classroom A105                                | Classroom Faucet            | 1                                | 310                   |
| TWA-111116-CDF-P-13: Classroom A105                               | Classroom Drinking Fountain | <1.0                             | 230                   |
| TWA-111116-CF-P-14: Classroom A110                                | Classroom Faucet            | <1.0                             | 310                   |
| TWA-111116-CDF-P-15: Classroom A110                               | Classroom Drinking Fountain | <1.0                             | 240                   |
| TWA-111116-CDF-P-16: Classroom A109                               | Classroom Drinking Fountain | <1.0                             | 450                   |
| TWA-111116-DF/WC-P-17: Hallway outside Classroom A109             | Water Cooler Fountain       | <1.0                             | 940                   |
| TWA-111116-CF-P-18: Classroom A108                                | Classroom Faucet            | <1.0                             | 570                   |
| TWA-111116-CF-P-19: Classroom A102                                | Classroom Faucet            | <1.0                             | 520                   |
| TWA-111116-CDF-P-20: Classroom A102                               | Classroom Drinking Fountain | <1.0                             | 600                   |
| TWA-111116-CDF-P-21: Classroom A107                               | Classroom Drinking Fountain | <1.0                             | 570                   |
| TWA-111116-CF-P-22: Classroom A101                                | Classroom Faucet            | <1.0                             | 470                   |
| TWA-111116-CDF-P-23: Classroom A106                               | Classroom Drinking Fountain | <1.0                             | 520                   |
| TWA-111116-CF-P-24: Classroom A106                                | Classroom Faucet            | <1.0                             | 580                   |
| TWA-111116-OF-P-25: Staff Workroom, B107                          | Office Faucet               | <1.0                             | 610                   |
| TWA-111116-NF-P-26: Health Room, B116                             | Nurse's Faucet              | <1.0                             | 540                   |
| TWA-111116-DF/WC-P-27: Hallway outside Cafeteria, right fixture   | Water Cooler Fountain       | 3                                | 560                   |
| TWA-111116-DF/WC-P-28: Hallway outside Cafeteria, left fixture    | Water Cooler Fountain       | <1.0                             | 630                   |
| TWA-111116-CF-P-29: Classroom C145                                | Classroom Faucet            | <1.0                             | 300                   |
| TWA-111116-CDF-P-30: Classroom C145                               | Classroom Drinking Fountain | <1.0                             | 360                   |
| TWA-111116-CF-P-31: Classroom C148                                | Classroom Faucet            | 3                                | 580                   |
| TWA-111116-CDF-P-32: Classroom C148                               | Classroom Drinking Fountain | <1.0                             | 460                   |
| TWA-111116-WC-P-33: Hallway outside Classroom C149, right fixture | Water Cooler Fountain       | <1.0                             | 460                   |
| TWA-111116-WC-P-34: Hallway outside Classroom C149, left fixture  | Water Cooler Fountain       | <1.0                             | 410                   |
| TWA-111116-CF-P-35: Classroom C150                                | Classroom Faucet            | <1.0                             | 790                   |
| TWA-111116-CDF-P-36: Classroom C152                               | Classroom Drinking Fountain | <1.0                             | 790                   |

| Sample Identification and Location                              | Type of Fixture             | Lead Results (µg/L) <sup>1</sup> | Copper Results (µg/L) |
|-----------------------------------------------------------------|-----------------------------|----------------------------------|-----------------------|
| TWA-111116-CF-P-37: Classroom C153                              | Classroom Faucet            | <1.0                             | 580                   |
| TWA-111116-CDF-P-38: Classroom C151                             | Classroom Drinking Fountain | <1.0                             | 410                   |
| TWA-111116-CF-P-39: Classroom C149                              | Classroom Faucet            | <1.0                             | 390                   |
| TWA-111116-CF-P-40: Classroom C147                              | Classroom Faucet            | <1.0                             | 350                   |
| TWA-111116-CDF-P-41: Classroom C146                             | Classroom Drinking Fountain | <1.0                             | 460                   |
| TWA-111116-CF-P-42: Classroom D104                              | Classroom Faucet            | <1.0                             | 330                   |
| TWA-111116-CDF-P-43: Classroom D104                             | Classroom Drinking Fountain | <1.0                             | 430                   |
| TWA-111116-OF-P-44: Hallway outside D176                        | Classroom Drinking Fountain | <1.0                             | 870                   |
| TWA-111116-OF-P-45: Hallway outside D176                        | Office Faucet               | <1.0                             | 740                   |
| TWA-111116-CF-P-46: Classroom D180                              | Classroom Faucet            | <1.0                             | 520                   |
| TWA-111116-CDF-P-47: Classroom D180                             | Classroom Drinking Fountain | <1.0                             | 530                   |
| TWA-111116-CF-P-48: Classroom D181                              | Classroom Faucet            | <1.0                             | 620                   |
| TWA-111116-CDF-P-49: Classroom D181                             | Classroom Drinking Fountain | <1.0                             | 560                   |
| TWA-111116-DF-P-50: Building exterior, east wall outside D Wing | Drinking Fountain           | <1.0                             | 910                   |
| TWA-111116-DF-P-51: Outside Classroom C156 East Fixture         | Drinking Fountain           | 1                                | 680                   |
| TWA-111116-CF-P-52: Portable 15                                 | Classroom Faucet            | <1.0                             | 760                   |
| TWA-111116-CDF-P-53: Portable 15                                | Classroom Drinking Fountain | <1.0                             | 370                   |
| TWA-111116-CDF-P-54: Portable 14                                | Classroom Drinking Fountain | <1.0                             | 520                   |
| TWA-111116-CDF-P-55: Portable 9                                 | Classroom Drinking Fountain | 2                                | 450                   |
| TWA-111116-CDF-P-56: Portable 1                                 | Classroom Drinking Fountain | 1                                | 450                   |
| TWA-111116-CF-P-57: Portable 3                                  | Classroom Faucet            | <1.0                             | 500                   |
| TWA-111116-CDF-P-58: Portable 4                                 | Classroom Drinking Fountain | <1.0                             | 230                   |
| TWA-111116-CDF-P-59: Portable 8                                 | Classroom Drinking Fountain | <1.0                             | 370                   |
| TWA-111116-CF-P-60: Portable 8                                  | Classroom Faucet            | 1                                | 240                   |
| TWA-111116-CDF-P-61: Portable 6                                 | Classroom Drinking Fountain | 1                                | 450                   |
| TWA-111116-CF-P-62: Portable 5                                  | Classroom Faucet            | <1.0                             | 200                   |
| TWA-111116-CDF-P-63: Portable 10                                | Classroom Drinking Fountain | <1.0                             | 430                   |
| TWA-111116-CDF-P-64: Portable 11                                | Classroom Drinking Fountain | 1                                | 280                   |
| TWA-111116-CF-P-65: Portable 12                                 | Classroom Faucet            | 1                                | 260                   |
| TWA-111116-CF-P-66: Laboratory Blank-Labeled Portable 2         | Distilled Water Blank       | <1.0                             | <10                   |
| TWA-111116-CF-P-67: Laboratory Spike-Labeled Portable 7         | Lead and Copper Spike       | 14                               | 1,360                 |
| <b>EPA Action Level<sup>2</sup></b>                             |                             | <b>15</b>                        | <b>1,300</b>          |

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 (°C) |
|----------------------------------------------------------------|-----------------------------|----------|-----------|------------------------|-------------------------|
| TWA-111116-KF-P-04: Kitchen east handwash station              | Kitchen Faucet              | 7.74     | 7.65      | 20.1                   | 21.7                    |
| TWA-111116-OF-P-08: Staff Lounge                               | Office Faucet               | 7.77     | 7.70      | 21.0                   | 21.6                    |
| TWA-111116-CF-P-12: Classroom A105                             | Classroom Faucet            | 7.88     | 7.84      | 20.5                   | 18.4                    |
| TWA-111116-CDF-P-16: Classroom A109                            | Classroom Drinking Fountain | 7.89     | 7.89      | 19.9                   | 19.0                    |
| TWA-111116-CDF-P-20: Classroom A102                            | Classroom Drinking Fountain | 7.85     | 7.88      | 20.0                   | 19.7                    |
| TWA-111116-CF-P-24: Classroom A106                             | Classroom Faucet            | 7.86     | 7.85      | 19.4                   | 19.1                    |
| TWA-111116-DF/WC-P-28: Hallway outside Cafeteria, left fixture | Water Cooler Fountain       | 7.76     | 7.83      | 22.2                   | 21.4                    |
| TWA-111116-CDF-P-32: Classroom C148                            | Classroom Drinking Fountain | 7.83     | 7.84      | 21.0                   | 19.8                    |
| TWA-111116-CDF-P-36: Classroom C152                            | Classroom Drinking Fountain | 7.87     | 7.84      | 20.7                   | 20.0                    |
| TWA-111116-CF-P-40: Classroom C147                             | Classroom Faucet            | 7.86     | 7.83      | 20.6                   | 20.1                    |
| TWA-111116-OF-P-44: Hallway outside D176                       | Classroom Drinking Fountain | 7.87     | 7.88      | 21.6                   | 20.2                    |
| TWA-111116-CF-P-48: Classroom D181                             | Classroom Faucet            | 7.83     | 7.93      | 21.1                   | 18.5                    |
| TWA-111116-CF-P-52: Portable 15                                | Classroom Faucet            | 7.87     | 7.89      | 18.8                   | 18.3                    |
| TWA-111116-CDF-P-56: Portable 1                                | Classroom Drinking Fountain | 7.82     | 7.85      | 20.3                   | 19.9                    |
| TWA-111116-CF-P-60: Portable 8                                 | Classroom Faucet            | 7.67     | 7.86      | 26.6                   | 19.7                    |
| TWA-111116-CDF-P-64: Portable 11                               | Classroom Drinking Fountain | 7.82     | 7.83      | 21.5                   | 20.3                    |

## **ATTACHMENT D**

### 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 67 sample(s) on 11/11/16 for analysis. These sample(s) have been assigned a login order number of W611061. 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".

12/09/16

Project Coordinator II, Fernanda Pincheira

Date

If you have any questions please feel free to contact Fernanda Pincheira at [MPincheira@rjleegroup.com](mailto:MPincheira@rjleegroup.com).



## Laboratory Report

Ryan Mathews

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

Client Project:

No Project

RJ Lee Group No.: W611061

COC No.:

Samples Received: 11/11/16

Analysis/Prep Date: 12/06/16

Report Date: 12/09/16

**Sample Name:** TWA-111116-KF-P-01 **Matrix:** Potable Water  
**RJ Lee Grp. ID:** W611061-01

**Date Received:** 11/11/16

**Date Analyzed:** 12/06/16

| Analyte | Method    | Result (mg/L) | PQL (mg/L) | Qualifiers |
|---------|-----------|---------------|------------|------------|
| Copper  | EPA 200.8 | 0.50          | 0.01       |            |
| Lead    | EPA 200.8 | 0.003         | 0.001      |            |

**Sample Name:** TWA-111116-KF-P-02 **Matrix:** Potable Water  
**RJ Lee Grp. ID:** W611061-02

**Date Received:** 11/11/16

**Date Analyzed:** 12/06/16

| Analyte | Method    | Result (mg/L) | PQL (mg/L) | Qualifiers |
|---------|-----------|---------------|------------|------------|
| Copper  | EPA 200.8 | 0.64          | 0.01       |            |
| Lead    | EPA 200.8 | 0.003         | 0.001      |            |

**Sample Name:** TWA-111116-KF-P-03 **Matrix:** Potable Water  
**RJ Lee Grp. ID:** W611061-03

**Date Received:** 11/11/16

**Date Analyzed:** 12/06/16

| Analyte | Method    | Result (mg/L) | PQL (mg/L) | Qualifiers |
|---------|-----------|---------------|------------|------------|
| Copper  | EPA 200.8 | 0.25          | 0.01       |            |
| Lead    | EPA 200.8 | 0.001         | 0.001      |            |

**Sample Name:** TWA-111116-KF-P-04 **Matrix:** Potable Water  
**RJ Lee Grp. ID:** W611061-04

**Date Received:** 11/11/16

**Date Analyzed:** 12/06/16

| 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:** TWA-111116-KF-P-05 **Matrix:** Potable Water  
**RJ Lee Grp. ID:** W611061-05

**Date Received:** 11/11/16

**Date Analyzed:** 12/06/16

| Analyte | Method    | Result (mg/L) | PQL (mg/L) | Qualifiers |
|---------|-----------|---------------|------------|------------|
| Copper  | EPA 200.8 | 0.36          | 0.01       |            |
| Lead    | EPA 200.8 | 0.002         | 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: 12/9/16 7:53  
Report Time Stamp: 12/09/16 10:20



**Sample Name:** TWA-111116-KF-P-06 **Matrix:** Potable Water  
**RJ Lee Grp. ID:** W611061-06

**Date Received:** 11/11/16  
**Date Analyzed:** 12/06/16

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

**Sample Name:** TWA-111116-DF-P-07 **Matrix:** Potable Water  
**RJ Lee Grp. ID:** W611061-07

**Date Received:** 11/11/16  
**Date Analyzed:** 12/06/16

| Analyte | Method    | Result (mg/L) | PQL (mg/L) | Qualifiers |
|---------|-----------|---------------|------------|------------|
| Copper  | EPA 200.8 | 0.49          | 0.01       |            |
| Lead    | EPA 200.8 | 0.007         | 0.001      |            |

**Sample Name:** TWA-111116-DF-P-08 **Matrix:** Potable Water  
**RJ Lee Grp. ID:** W611061-08

**Date Received:** 11/11/16  
**Date Analyzed:** 12/06/16

| Analyte | Method    | Result (mg/L) | PQL (mg/L) | Qualifiers |
|---------|-----------|---------------|------------|------------|
| Copper  | EPA 200.8 | 0.27          | 0.01       |            |
| Lead    | EPA 200.8 | < 0.001       | 0.001      |            |

**Sample Name:** TWA-111116-DF-P-09 **Matrix:** Potable Water  
**RJ Lee Grp. ID:** W611061-09

**Date Received:** 11/11/16  
**Date Analyzed:** 12/06/16

| Analyte | Method    | Result (mg/L) | PQL (mg/L) | Qualifiers |
|---------|-----------|---------------|------------|------------|
| Copper  | EPA 200.8 | 0.12          | 0.01       |            |
| Lead    | EPA 200.8 | < 0.001       | 0.001      |            |

**Sample Name:** TWA-111116-DF-P-10 **Matrix:** Potable Water  
**RJ Lee Grp. ID:** W611061-10

**Date Received:** 11/11/16  
**Date Analyzed:** 12/06/16

| Analyte | Method    | Result (mg/L) | PQL (mg/L) | Qualifiers |
|---------|-----------|---------------|------------|------------|
| Copper  | EPA 200.8 | 0.77          | 0.01       |            |
| Lead    | EPA 200.8 | 0.002         | 0.001      |            |

**Sample Name:** TWA-111116-DF-P-11 **Matrix:** Potable Water  
**RJ Lee Grp. ID:** W611061-11

**Date Received:** 11/11/16  
**Date Analyzed:** 12/06/16

| 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:** TWA111116-CF-P-12 **Matrix:** Potable Water  
**RJ Lee Grp. ID:** W611061-12

**Date Received:** 11/11/16  
**Date Analyzed:** 12/06/16

| 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:** TWA111116-CDF-P-13 **Matrix:** Potable Water  
**RJ Lee Grp. ID:** W611061-13

**Date Received:** 11/11/16  
**Date Analyzed:** 12/06/16

| 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:** TWA111116-CF-P-14 **Matrix:** Potable Water  
**RJ Lee Grp. ID:** W611061-14

**Date Received:** 11/11/16  
**Date Analyzed:** 12/06/16

| 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:** TWA111116-CDF-P-15 **Matrix:** Potable Water  
**RJ Lee Grp. ID:** W611061-15

**Date Received:** 11/11/16  
**Date Analyzed:** 12/06/16

| 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:** TWA111116-CDF-P-16 **Matrix:** Potable Water  
**RJ Lee Grp. ID:** W611061-16

**Date Received:** 11/11/16  
**Date Analyzed:** 12/06/16

| 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:** TWA111116-DF/WC-P-17 **Matrix:** Potable Water  
**RJ Lee Grp. ID:** W611061-17

**Date Received:** 11/11/16  
**Date Analyzed:** 12/06/16

| 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      |            |

**Sample Name:** TWA111116-CF-P-18**Matrix:** Potable Water**Date Received:** 11/11/16**RJ Lee Grp. ID:** W611061-18**Date Analyzed:** 12/06/16

| 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:** TWA111116-CF-P-19**Matrix:** Potable Water**Date Received:** 11/11/16**RJ Lee Grp. ID:** W611061-19**Date Analyzed:** 12/06/16

| 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:** TWA111116-CDF-P-20**Matrix:** Potable Water**Date Received:** 11/11/16**RJ Lee Grp. ID:** W611061-20**Date Analyzed:** 12/06/16

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

**Sample Name:** TWA111116-CDF-P-21**Matrix:** Potable Water**Date Received:** 11/11/16**RJ Lee Grp. ID:** W611061-21**Date Analyzed:** 12/06/16

| 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:** TWA111116-CF-P-22**Matrix:** Potable Water**Date Received:** 11/11/16**RJ Lee Grp. ID:** W611061-22**Date Analyzed:** 12/06/16

| Analyte | Method    | Result (mg/L) | PQL (mg/L) | Qualifiers |
|---------|-----------|---------------|------------|------------|
| Copper  | EPA 200.8 | 0.47          | 0.01       |            |
| Lead    | EPA 200.8 | < 0.001       | 0.001      |            |

**Sample Name:** TWA111116-CDF-P-23**Matrix:** Potable Water**Date Received:** 11/11/16**RJ Lee Grp. ID:** W611061-23**Date Analyzed:** 12/06/16

| 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:** TWA111116-CF-P-24**Matrix:** Potable Water**Date Received:** 11/11/16**RJ Lee Grp. ID:** W611061-24**Date Analyzed:** 12/06/16

| Analyte | Method    | Result (mg/L) | PQL (mg/L) | Qualifiers |
|---------|-----------|---------------|------------|------------|
| Copper  | EPA 200.8 | 0.58          | 0.01       |            |
| Lead    | EPA 200.8 | < 0.001       | 0.001      |            |

**Sample Name:** TWA111116-OF-P-25**Matrix:** Potable Water**Date Received:** 11/11/16**RJ Lee Grp. ID:** W611061-25**Date Analyzed:** 12/06/16

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

**Sample Name:** TWA111116-NF-P-26**Matrix:** Potable Water**Date Received:** 11/11/16**RJ Lee Grp. ID:** W611061-26**Date Analyzed:** 12/06/16

| 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:** TWA111116-DF/WC-P-27**Matrix:** Potable Water**Date Received:** 11/11/16**RJ Lee Grp. ID:** W611061-27**Date Analyzed:** 12/06/16

| Analyte | Method    | Result (mg/L) | PQL (mg/L) | Qualifiers |
|---------|-----------|---------------|------------|------------|
| Copper  | EPA 200.8 | 0.56          | 0.01       |            |
| Lead    | EPA 200.8 | 0.003         | 0.001      |            |

**Sample Name:** TWA111116-DF/WC-P-28**Matrix:** Potable Water**Date Received:** 11/11/16**RJ Lee Grp. ID:** W611061-28**Date Analyzed:** 12/06/16

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

**Sample Name:** TWA111116-CF-P-29**Matrix:** Potable Water**Date Received:** 11/11/16**RJ Lee Grp. ID:** W611061-29**Date Analyzed:** 12/06/16

| 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:** TWA111116-CDF-P-30 **Matrix:** Potable Water  
**RJ Lee Grp. ID:** W611061-30

**Date Received:** 11/11/16  
**Date Analyzed:** 12/06/16

| Analyte | Method    | Result (mg/L) | PQL (mg/L) | Qualifiers |
|---------|-----------|---------------|------------|------------|
| Copper  | EPA 200.8 | 0.36          | 0.01       |            |
| Lead    | EPA 200.8 | < 0.001       | 0.001      |            |

**Sample Name:** TWA111116-CF-P-31 **Matrix:** Potable Water  
**RJ Lee Grp. ID:** W611061-31

**Date Received:** 11/11/16  
**Date Analyzed:** 12/06/16

| Analyte | Method    | Result (mg/L) | PQL (mg/L) | Qualifiers |
|---------|-----------|---------------|------------|------------|
| Copper  | EPA 200.8 | 0.58          | 0.01       |            |
| Lead    | EPA 200.8 | 0.003         | 0.001      |            |

**Sample Name:** TWA111116-CDF-P-32 **Matrix:** Potable Water  
**RJ Lee Grp. ID:** W611061-32

**Date Received:** 11/11/16  
**Date Analyzed:** 12/06/16

| 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:** TWA111116-DF/WC-P-33 **Matrix:** Potable Water  
**RJ Lee Grp. ID:** W611061-33

**Date Received:** 11/11/16  
**Date Analyzed:** 12/06/16

| 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:** TWA111116-DF/WC-P-34 **Matrix:** Potable Water  
**RJ Lee Grp. ID:** W611061-34

**Date Received:** 11/11/16  
**Date Analyzed:** 12/06/16

| 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:** TWA111116-CF-P-35 **Matrix:** Potable Water  
**RJ Lee Grp. ID:** W611061-35

**Date Received:** 11/11/16  
**Date Analyzed:** 12/06/16

| Analyte | Method    | Result (mg/L) | PQL (mg/L) | Qualifiers |
|---------|-----------|---------------|------------|------------|
| Copper  | EPA 200.8 | 0.79          | 0.01       |            |
| Lead    | EPA 200.8 | < 0.001       | 0.001      |            |



**Sample Name:** TWA111116-CDF-P-36 **Matrix:** Potable Water  
**RJ Lee Grp. ID:** W611061-36

**Date Received:** 11/11/16  
**Date Analyzed:** 12/06/16

| Analyte | Method    | Result (mg/L) | PQL (mg/L) | Qualifiers |
|---------|-----------|---------------|------------|------------|
| Copper  | EPA 200.8 | 0.79          | 0.01       |            |
| Lead    | EPA 200.8 | < 0.001       | 0.001      |            |

**Sample Name:** TWA111116-CF-P-37 **Matrix:** Potable Water  
**RJ Lee Grp. ID:** W611061-37

**Date Received:** 11/11/16  
**Date Analyzed:** 12/06/16

| Analyte | Method    | Result (mg/L) | PQL (mg/L) | Qualifiers |
|---------|-----------|---------------|------------|------------|
| Copper  | EPA 200.8 | 0.58          | 0.01       |            |
| Lead    | EPA 200.8 | < 0.001       | 0.001      |            |

**Sample Name:** TWA111116-CDF-P-38 **Matrix:** Potable Water  
**RJ Lee Grp. ID:** W611061-38

**Date Received:** 11/11/16  
**Date Analyzed:** 12/06/16

| 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:** TWA111116-CF-P-39 **Matrix:** Potable Water  
**RJ Lee Grp. ID:** W611061-39

**Date Received:** 11/11/16  
**Date Analyzed:** 12/06/16

| 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:** TWA111116-CF-P-40 **Matrix:** Potable Water  
**RJ Lee Grp. ID:** W611061-40

**Date Received:** 11/11/16  
**Date Analyzed:** 12/06/16

| Analyte | Method    | Result (mg/L) | PQL (mg/L) | Qualifiers |
|---------|-----------|---------------|------------|------------|
| Copper  | EPA 200.8 | 0.35          | 0.01       |            |
| Lead    | EPA 200.8 | < 0.001       | 0.001      |            |

**Sample Name:** TWA111116-CDF-P-41 **Matrix:** Potable Water  
**RJ Lee Grp. ID:** W611061-41

**Date Received:** 11/11/16  
**Date Analyzed:** 12/06/16

| 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:** TWA111116-CF-P-42**Matrix:** Potable Water**Date Received:** 11/11/16**RJ Lee Grp. ID:** W611061-42**Date Analyzed:** 12/06/16

| 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:** TWA111116-CDF-P-43**Matrix:** Potable Water**Date Received:** 11/11/16**RJ Lee Grp. ID:** W611061-43**Date Analyzed:** 12/06/16

| 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:** TWA111116-OF-P-44**Matrix:** Potable Water**Date Received:** 11/11/16**RJ Lee Grp. ID:** W611061-44**Date Analyzed:** 12/06/16

| Analyte | Method    | Result (mg/L) | PQL (mg/L) | Qualifiers |
|---------|-----------|---------------|------------|------------|
| Copper  | EPA 200.8 | 0.87          | 0.01       |            |
| Lead    | EPA 200.8 | < 0.001       | 0.001      |            |

**Sample Name:** TWA111116-OF-P-45**Matrix:** Potable Water**Date Received:** 11/11/16**RJ Lee Grp. ID:** W611061-45**Date Analyzed:** 12/06/16

| Analyte | Method    | Result (mg/L) | PQL (mg/L) | Qualifiers |
|---------|-----------|---------------|------------|------------|
| Copper  | EPA 200.8 | 0.74          | 0.01       |            |
| Lead    | EPA 200.8 | < 0.001       | 0.001      |            |

**Sample Name:** TWA111116-CF-P-46**Matrix:** Potable Water**Date Received:** 11/11/16**RJ Lee Grp. ID:** W611061-46**Date Analyzed:** 12/06/16

| 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:** TWA111116-CDF-P-47**Matrix:** Potable Water**Date Received:** 11/11/16**RJ Lee Grp. ID:** W611061-47**Date Analyzed:** 12/06/16

| Analyte | Method    | Result (mg/L) | PQL (mg/L) | Qualifiers |
|---------|-----------|---------------|------------|------------|
| Copper  | EPA 200.8 | 0.53          | 0.01       |            |
| Lead    | EPA 200.8 | < 0.001       | 0.001      |            |

**Sample Name:** TWA111116-CF-P-48**Matrix:** Potable Water**Date Received:** 11/11/16**RJ Lee Grp. ID:** W611061-48**Date Analyzed:** 12/06/16

| 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:** TWA111116-CDF-P-49**Matrix:** Potable Water**Date Received:** 11/11/16**RJ Lee Grp. ID:** W611061-49**Date Analyzed:** 12/06/16

| Analyte | Method    | Result (mg/L) | PQL (mg/L) | Qualifiers |
|---------|-----------|---------------|------------|------------|
| Copper  | EPA 200.8 | 0.56          | 0.01       |            |
| Lead    | EPA 200.8 | < 0.001       | 0.001      |            |

**Sample Name:** TWA111116-DF-P-50**Matrix:** Potable Water**Date Received:** 11/11/16**RJ Lee Grp. ID:** W611061-50**Date Analyzed:** 12/06/16

| 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:** TWA111116-DF-P-51**Matrix:** Potable Water**Date Received:** 11/11/16**RJ Lee Grp. ID:** W611061-51**Date Analyzed:** 12/06/16

| 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:** TWA111116-CF-P-52**Matrix:** Potable Water**Date Received:** 11/11/16**RJ Lee Grp. ID:** W611061-52**Date Analyzed:** 12/06/16

| Analyte | Method    | Result (mg/L) | PQL (mg/L) | Qualifiers |
|---------|-----------|---------------|------------|------------|
| Copper  | EPA 200.8 | 0.76          | 0.01       |            |
| Lead    | EPA 200.8 | < 0.001       | 0.001      |            |

**Sample Name:** TWA111116-CDF-P-53**Matrix:** Potable Water**Date Received:** 11/11/16**RJ Lee Grp. ID:** W611061-53**Date Analyzed:** 12/06/16

| 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:** TWA111116-CDF-P-54 **Matrix:** Potable Water  
**RJ Lee Grp. ID:** W611061-54

**Date Received:** 11/11/16  
**Date Analyzed:** 12/06/16

| 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:** TWA111116-CDF-P-55 **Matrix:** Potable Water  
**RJ Lee Grp. ID:** W611061-55

**Date Received:** 11/11/16  
**Date Analyzed:** 12/06/16

| Analyte | Method    | Result (mg/L) | PQL (mg/L) | Qualifiers |
|---------|-----------|---------------|------------|------------|
| Copper  | EPA 200.8 | 0.45          | 0.01       |            |
| Lead    | EPA 200.8 | 0.002         | 0.001      |            |

**Sample Name:** TWA111116-CDF-P-56 **Matrix:** Potable Water  
**RJ Lee Grp. ID:** W611061-56

**Date Received:** 11/11/16  
**Date Analyzed:** 12/06/16

| 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:** TWA111116-CF-P-57 **Matrix:** Potable Water  
**RJ Lee Grp. ID:** W611061-57

**Date Received:** 11/11/16  
**Date Analyzed:** 12/06/16

| 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:** TWA111116-CDF-P-58 **Matrix:** Potable Water  
**RJ Lee Grp. ID:** W611061-58

**Date Received:** 11/11/16  
**Date Analyzed:** 12/06/16

| 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:** TWA111116-CDF-P-59 **Matrix:** Potable Water  
**RJ Lee Grp. ID:** W611061-59

**Date Received:** 11/11/16  
**Date Analyzed:** 12/06/16

| 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:** TWA111116-CF-P-60**Matrix:** Potable Water**Date Received:** 11/11/16**RJ Lee Grp. ID:** W611061-60**Date Analyzed:** 12/06/16

| 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:** TWA111116-CDF-P-61**Matrix:** Potable Water**Date Received:** 11/11/16**RJ Lee Grp. ID:** W611061-61**Date Analyzed:** 12/06/16

| 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:** TWA111116-CF-P-62**Matrix:** Potable Water**Date Received:** 11/11/16**RJ Lee Grp. ID:** W611061-62**Date Analyzed:** 12/06/16

| Analyte | Method    | Result (mg/L) | PQL (mg/L) | Qualifiers |
|---------|-----------|---------------|------------|------------|
| Copper  | EPA 200.8 | 0.20          | 0.01       |            |
| Lead    | EPA 200.8 | < 0.001       | 0.001      |            |

**Sample Name:** TWA111116-CDF-P-63**Matrix:** Potable Water**Date Received:** 11/11/16**RJ Lee Grp. ID:** W611061-63**Date Analyzed:** 12/06/16

| 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:** TWA111116-CDF-P-64**Matrix:** Potable Water**Date Received:** 11/11/16**RJ Lee Grp. ID:** W611061-64**Date Analyzed:** 12/06/16

| Analyte | Method    | Result (mg/L) | PQL (mg/L) | Qualifiers |
|---------|-----------|---------------|------------|------------|
| Copper  | EPA 200.8 | 0.28          | 0.01       |            |
| Lead    | EPA 200.8 | 0.001         | 0.001      |            |

**Sample Name:** TWA111116-CF-P-65**Matrix:** Potable Water**Date Received:** 11/11/16**RJ Lee Grp. ID:** W611061-65**Date Analyzed:** 12/06/16

| 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:** TWA111116-CF-P-66**Matrix:** Potable Water**Date Received:** 11/11/16**RJ Lee Grp. ID:** W611061-66**Date Analyzed:** 12/06/16

| 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:** TWA111116-CF-P-67**Matrix:** Potable Water**Date Received:** 11/11/16**RJ Lee Grp. ID:** W611061-67**Date Analyzed:** 12/06/16

| Analyte | Method    | Result (mg/L) | PQL (mg/L) | Qualifiers |
|---------|-----------|---------------|------------|------------|
| Copper  | EPA 200.8 | 1.36          | 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*
**QA Officer/Organic Analytical SME John Coddington**

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.

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Report Template: GenMetalReportFull\_v12.rpt

**Approved:** 12/9/16 7:53  
**Report Time Stamp:** 12/09/16 10:20



# Request for Environmental and IH Laboratory Analytical Services

W611061

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| ATTENTION TO:                                                    |  |                                |  | Purchase Order No.:                                                                                                           |  | Client Job No.:                    |  |
|------------------------------------------------------------------|--|--------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------|--|
| Lab Use Only                                                     |  | Project No.:                   |  | Standard: <b>Yes</b> No                                                                                                       |  | If 'No', No. of Business Days:     |  |
| Date Logged In:                                                  |  | Client No.:                    |  | System ID #:                                                                                                                  |  | Accreditation (please list below): |  |
| Name: Amanda Enbysk, Ryan Matthews                               |  | Logged In By:                  |  | Sample Purpose: <b>Information X</b> Regulatory <input type="checkbox"/> Accreditation                                        |  |                                    |  |
| Company: Fulcrum Environmental Consulting                        |  |                                |  | DOH Source #:                                                                                                                 |  |                                    |  |
| Address: 406 North 2nd Street                                    |  |                                |  | Multiple Sources #s:                                                                                                          |  |                                    |  |
| City, State, Zip: Yakima, WA, 98901                              |  |                                |  | Sample Purpose: <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> Other <input type="checkbox"/> |  |                                    |  |
| Phone: (509) 574-0839                                            |  | Fax: (509) 575-8453            |  | Preservation:                                                                                                                 |  | Matrix:                            |  |
| Call with Verbal Results:                                        |  |                                |  | Unpres 4°C                                                                                                                    |  | WW=Wastewater                      |  |
| Email Results To: aenbysk@fulcrum.net, cc: rmatthews@fulcrum.net |  |                                |  | HNO <sub>3</sub>                                                                                                              |  | GW=Groundwater                     |  |
| Fax Results To:                                                  |  |                                |  | NaOH                                                                                                                          |  | S=Soil/Sludge                      |  |
| Name: Lorrie Boutillier                                          |  |                                |  | Na <sub>2</sub> SO <sub>4</sub>                                                                                               |  | E=Extract                          |  |
| Company: Fulcrum Environmental                                   |  | Email: lboutillier@fulcrum.net |  | Other                                                                                                                         |  | X=Other                            |  |
| Address: 406 N 2nd Street                                        |  |                                |  | SW=Surface Water                                                                                                              |  | Container:                         |  |
| City, State, Zip: Yakima, WA, 98901                              |  |                                |  | DW=Drinking Water                                                                                                             |  | P=Plastic                          |  |
| Phone: (509) 574-0839                                            |  | Fax: (509) 575-8453            |  | O=Oil                                                                                                                         |  | G=Glass                            |  |
|                                                                  |  |                                |  | X=Other                                                                                                                       |  | W=Wipe                             |  |
|                                                                  |  |                                |  |                                                                                                                               |  | A=Air (filter or tube)             |  |
| Send Invoice To                                                  |  |                                |  | Analysis Requested                                                                                                            |  |                                    |  |
| City, State, Zip: Yakima, WA, 98901                              |  |                                |  |                                                                                                                               |  |                                    |  |
| Phone: (509) 574-0839                                            |  |                                |  |                                                                                                                               |  |                                    |  |
| Fax: (509) 575-8453                                              |  |                                |  |                                                                                                                               |  |                                    |  |
| Special Instructions                                             |  |                                |  |                                                                                                                               |  |                                    |  |
| Client Sample ID                                                 |  | Sample Description             |  | Sample Date                                                                                                                   |  | Sample Time                        |  |
|                                                                  |  |                                |  | Start                                                                                                                         |  | Stop                               |  |
|                                                                  |  |                                |  | Wipe Area / Air Volume                                                                                                        |  |                                    |  |
| TW04 111116 - CF-P-12                                            |  | RM-A105                        |  | 11/11/16                                                                                                                      |  |                                    |  |
| TW04 111116 - CDF-P-13                                           |  | RM-A105                        |  |                                                                                                                               |  |                                    |  |
| TW04 111116 - CF-P-14                                            |  | RM-A110                        |  |                                                                                                                               |  |                                    |  |
| TW04 111116 - CDF-P-15                                           |  | RM-A110                        |  |                                                                                                                               |  |                                    |  |
| TW04 111116 - CDF-P-16                                           |  | RM-A109                        |  |                                                                                                                               |  |                                    |  |
| TW04 111116 - CDF-P-17                                           |  | A111 Corridor                  |  |                                                                                                                               |  |                                    |  |
| TW04 111116 - CF-P-18                                            |  | RM-A108                        |  |                                                                                                                               |  |                                    |  |
| TW04 111116 - CF-P-19                                            |  | RM-A102                        |  |                                                                                                                               |  |                                    |  |
| TW04 111116 - CDF-P-20                                           |  | RM-A102                        |  |                                                                                                                               |  |                                    |  |
| TW04 111116 - CDF-P-21                                           |  | RM-A101                        |  |                                                                                                                               |  |                                    |  |
| TW04 111116 - CF-P-22                                            |  | RM-A101                        |  |                                                                                                                               |  |                                    |  |
| Chain of Custody                                                 |  | Relinquished By (Signature):   |  | Date: 11/11/16                                                                                                                |  | Time:                              |  |
| Relinquished By (Print Name):                                    |  | Relinquished To:               |  | Method of Shipment:                                                                                                           |  |                                    |  |
| Company Name:                                                    |  |                                |  |                                                                                                                               |  |                                    |  |
| Chain of Custody                                                 |  | Relinquished By (Signature):   |  | Date:                                                                                                                         |  | Time:                              |  |
| Relinquished By (Print Name):                                    |  | Relinquished To:               |  | Method of Shipment:                                                                                                           |  |                                    |  |
| Company Name:                                                    |  |                                |  |                                                                                                                               |  |                                    |  |
| Chain of Custody                                                 |  | Relinquished By (Signature):   |  | Date:                                                                                                                         |  | Time:                              |  |
| Relinquished By (Print Name):                                    |  | Relinquished To:               |  | Method of Shipment:                                                                                                           |  |                                    |  |
| Company Name:                                                    |  |                                |  |                                                                                                                               |  |                                    |  |
| Chain of Custody                                                 |  | Received By (Signature):       |  | Date: 11/11/16                                                                                                                |  | Time: 1:12                         |  |
| Received By (Print Name):                                        |  | Relinquished To:               |  | Method of Shipment:                                                                                                           |  |                                    |  |
| Company Name:                                                    |  |                                |  |                                                                                                                               |  |                                    |  |
| Chain of Custody                                                 |  | Received By (Signature):       |  | Date:                                                                                                                         |  | Time:                              |  |
| Received By (Print Name):                                        |  | Relinquished To:               |  | Method of Shipment:                                                                                                           |  |                                    |  |
| Company Name:                                                    |  |                                |  |                                                                                                                               |  |                                    |  |

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# Request for Environmental and IH Laboratory Analytical Services

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|                                                  |  |                           |  |                                                                        |  |                    |  |                                                                                    |  |                     |  |                                 |  |                       |  |           |  |                       |  |
|--------------------------------------------------|--|---------------------------|--|------------------------------------------------------------------------|--|--------------------|--|------------------------------------------------------------------------------------|--|---------------------|--|---------------------------------|--|-----------------------|--|-----------|--|-----------------------|--|
| <b>ATTENTION TO:</b> Ryan Mathews                |  |                           |  | <b>Purchase Order No.:</b>                                             |  |                    |  | <b>Client Job No.:</b> 161844.01                                                   |  |                     |  |                                 |  |                       |  |           |  |                       |  |
| <b>Lab Use Only</b>                              |  |                           |  | <b>Turnaround Request</b>                                              |  |                    |  | <b>Standard:</b> Yes No If 'No', No. of Business Days:                             |  |                     |  |                                 |  |                       |  |           |  |                       |  |
| <b>Project No.:</b>                              |  |                           |  | <b>Client No.:</b>                                                     |  |                    |  | <b>Sample Purpose:</b> Information X Regulatory Accreditation (please list below): |  |                     |  |                                 |  |                       |  |           |  |                       |  |
| <b>Date Logged In:</b>                           |  |                           |  | <b>Logged In By:</b>                                                   |  |                    |  | <b>System ID #:</b>                                                                |  |                     |  |                                 |  |                       |  |           |  |                       |  |
| <b>Name:</b> Amanda Embysk, Ryan Mathews         |  |                           |  | <b>Company:</b> Fulcrum Environmental Consulting                       |  |                    |  | <b>DOH Source #:</b>                                                               |  |                     |  |                                 |  |                       |  |           |  |                       |  |
| <b>Address:</b> 406 North 2nd Street             |  |                           |  | <b>City, State, Zip:</b> Yakima, WA, 98901                             |  |                    |  | <b>Multiple Sources #s:</b>                                                        |  |                     |  |                                 |  |                       |  |           |  |                       |  |
| <b>Phone:</b> (509) 574-0839                     |  |                           |  | <b>Fax:</b> (509) 575-8453                                             |  |                    |  | <b>Sample Purpose:</b> A B Other                                                   |  |                     |  |                                 |  |                       |  |           |  |                       |  |
| <b>Call with Verbal Results:</b>                 |  |                           |  | <b>Email Results To:</b> aembysk@fulcrum.net, cc: rmathews@fulcrum.net |  |                    |  | <b>Matrix:</b> WW=Wastewater GW=Groundwater S=Soil/Sludge E=Extract                |  |                     |  |                                 |  |                       |  |           |  |                       |  |
| <b>Fax Results To:</b>                           |  |                           |  | <b>Name:</b> Lorrie Boutillier                                         |  |                    |  | <b>SW=Surface Water DW=Drinking Water O=Oil X=Other</b>                            |  |                     |  |                                 |  |                       |  |           |  |                       |  |
| <b>Company:</b> Fulcrum Environmental            |  |                           |  | <b>Email:</b> lboutillier@fulcrum.net                                  |  |                    |  | <b>Container:</b> P=Plastic G=Glass W=Wipe A=Air (filter or tube)                  |  |                     |  |                                 |  |                       |  |           |  |                       |  |
| <b>Send Invoice To</b>                           |  |                           |  | <b>Address:</b> 406 N 2nd Street                                       |  |                    |  | <b>Analysis Requested</b>                                                          |  |                     |  |                                 |  |                       |  |           |  |                       |  |
| <b>City, State, Zip:</b> Yakima, WA, 98901       |  |                           |  | <b>Phone:</b> (509) 574-0839                                           |  |                    |  | <b>Fax:</b> (509) 575-8453                                                         |  |                     |  |                                 |  |                       |  |           |  |                       |  |
| <b>Special Instructions</b>                      |  |                           |  | <b>EPA 200.8: Pb, Cu</b>                                               |  |                    |  | <b>Pres. Upon Receipt (Y/N)</b>                                                    |  |                     |  |                                 |  |                       |  |           |  |                       |  |
| <b>Client Sample ID</b>                          |  | <b>Sample Description</b> |  | <b>Sample Date</b>                                                     |  | <b>Sample Time</b> |  | <b>Wipe Area / Air Volume</b>                                                      |  | <b>Preservation</b> |  | <b>Matrix</b>                   |  | <b>Container Type</b> |  | <b>pH</b> |  | <b>No. Containers</b> |  |
| TW0A111116-CP-P-34                               |  | C110 Condor B             |  | 11/11/16                                                               |  |                    |  |                                                                                    |  | Pres. On            |  | P                               |  |                       |  |           |  |                       |  |
| TW0A111116-CP-P-35                               |  | C150                      |  |                                                                        |  |                    |  |                                                                                    |  |                     |  |                                 |  |                       |  |           |  |                       |  |
| TW0A111116-CP-P-36                               |  | C152                      |  |                                                                        |  |                    |  |                                                                                    |  |                     |  |                                 |  |                       |  |           |  |                       |  |
| TW0A111116-CP-P-37                               |  | C153                      |  |                                                                        |  |                    |  |                                                                                    |  |                     |  |                                 |  |                       |  |           |  |                       |  |
| TW0A111116-CP-P-38                               |  | C151                      |  |                                                                        |  |                    |  |                                                                                    |  |                     |  |                                 |  |                       |  |           |  |                       |  |
| TW0A111116-CP-P-39                               |  | C144                      |  |                                                                        |  |                    |  |                                                                                    |  |                     |  |                                 |  |                       |  |           |  |                       |  |
| TW0A111116-CP-P-40                               |  | C147                      |  |                                                                        |  |                    |  |                                                                                    |  |                     |  |                                 |  |                       |  |           |  |                       |  |
| TW0A111116-CP-P-41                               |  | C146                      |  |                                                                        |  |                    |  |                                                                                    |  |                     |  |                                 |  |                       |  |           |  |                       |  |
| TW0A111116-CP-P-42                               |  | D104                      |  |                                                                        |  |                    |  |                                                                                    |  |                     |  |                                 |  |                       |  |           |  |                       |  |
| TW0A111116-CP-P-43                               |  | D104                      |  |                                                                        |  |                    |  |                                                                                    |  |                     |  |                                 |  |                       |  |           |  |                       |  |
| TW0A111116-CP-P-44                               |  | D104 C-Dinking F          |  |                                                                        |  |                    |  |                                                                                    |  |                     |  |                                 |  |                       |  |           |  |                       |  |
| <b>Chain of Custody</b>                          |  |                           |  | <b>Relinquished By (Signature):</b> Nathan Ruse                        |  |                    |  | <b>Date:</b> 11/11/16                                                              |  |                     |  | <b>Time:</b>                    |  |                       |  |           |  |                       |  |
| <b>Relinquished By (Print Name):</b> Nathan Ruse |  |                           |  | <b>Relinquished To:</b>                                                |  |                    |  | <b>Method of Shipment:</b>                                                         |  |                     |  | <b>Received By (Signature):</b> |  |                       |  |           |  |                       |  |
| <b>Company Name:</b>                             |  |                           |  | <b>Method of Shipment:</b>                                             |  |                    |  | <b>Received By (Print Name):</b>                                                   |  |                     |  | <b>Company Name:</b>            |  |                       |  |           |  |                       |  |
| <b>Chain of Custody</b>                          |  |                           |  | <b>Relinquished By (Signature):</b>                                    |  |                    |  | <b>Date:</b>                                                                       |  |                     |  | <b>Time:</b>                    |  |                       |  |           |  |                       |  |
| <b>Relinquished By (Print Name):</b>             |  |                           |  | <b>Relinquished To:</b>                                                |  |                    |  | <b>Method of Shipment:</b>                                                         |  |                     |  | <b>Received By (Signature):</b> |  |                       |  |           |  |                       |  |
| <b>Company Name:</b>                             |  |                           |  | <b>Method of Shipment:</b>                                             |  |                    |  | <b>Received By (Print Name):</b>                                                   |  |                     |  | <b>Company Name:</b>            |  |                       |  |           |  |                       |  |

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|                                   |                                                                                                                                                                          |                                                                                                                                                                |                            |                                                                                                         |                                                                                                      |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| ATTENTION TO: <b>Ryan Mathews</b> |                                                                                                                                                                          | Purchase Order No.:                                                                                                                                            |                            | Client Job No.: <b>161998.01</b>                                                                        |                                                                                                      |
| Lab Use Only                      | Project No.:<br>Date Logged In:                                                                                                                                          | Client No.:<br>Logged In By:                                                                                                                                   | Turnaround Request         | Standard: <b>Yes</b> No                                                                                 | If 'No', No. of Business Days:                                                                       |
| Report Results To                 | Name: Amanda Enbysk, Ryan Mathews                                                                                                                                        | Company: Fulcrum Environmental Consulting<br>Address: 406 North 2nd Street<br>City, State, Zip: Yakima, WA, 98901<br>Phone: (509) 574-0839 Fax: (509) 575-8453 | Drinking Water Sample Only | Sample Purpose: <b>Information X</b> Regulatory                                                         | Accreditation (please list below):                                                                   |
|                                   | Call with Verbal Results:                                                                                                                                                |                                                                                                                                                                |                            | System ID #:                                                                                            | DOH Source #:                                                                                        |
|                                   | Email Results To: aenbysk@fulcrum.net, cc: mathews@fulcrum.net                                                                                                           |                                                                                                                                                                |                            | Multiple Sources #s:                                                                                    | Sample Purpose: A <input type="checkbox"/> B <input type="checkbox"/> Other <input type="checkbox"/> |
|                                   | Fax Results To:                                                                                                                                                          |                                                                                                                                                                |                            | Matrix: WW=Wastewater GW=Groundwater S=Soil/Sludge E=Extract                                            | Container: P=Plastic G=Glass W=Wipe A=Air (filter or tube)                                           |
| Send Invoice To                   | Name: Lorie Boutiller<br>Company: Fulcrum Environmental<br>Address: 406 N 2nd Street<br>City, State, Zip: Yakima, WA, 98901<br>Phone: (509) 574-0839 Fax: (509) 575-8453 | Analysis Requested                                                                                                                                             |                            |                                                                                                         |                                                                                                      |
| Special Instructions              |                                                                                                                                                                          | EPA 200.8: Pb, Cu                                                                                                                                              | Pres. Upon Receipt (Y/N)   |                                                                                                         |                                                                                                      |
| Client Sample ID                  | Sample Description                                                                                                                                                       | Sample Date                                                                                                                                                    | Start                      | Stop                                                                                                    | Wipe Area / Air Volume                                                                               |
| TWA111116-05-P-45                 | Faucet-D1014C                                                                                                                                                            |                                                                                                                                                                |                            |                                                                                                         |                                                                                                      |
| TWA111116-CP-P-46                 | D116-                                                                                                                                                                    |                                                                                                                                                                |                            |                                                                                                         |                                                                                                      |
| TWA111116-CP-P-47                 | D116                                                                                                                                                                     |                                                                                                                                                                |                            |                                                                                                         |                                                                                                      |
| TWA111116-CP-P-48                 | D116                                                                                                                                                                     |                                                                                                                                                                |                            |                                                                                                         |                                                                                                      |
| TWA111116-CP-P-49                 | D116                                                                                                                                                                     |                                                                                                                                                                |                            |                                                                                                         |                                                                                                      |
| TWA111116-CP-P-50                 | Handy exterior-D1014                                                                                                                                                     |                                                                                                                                                                |                            |                                                                                                         |                                                                                                      |
| TWA111116-CP-P-51                 | Handy exterior-D1014                                                                                                                                                     |                                                                                                                                                                |                            |                                                                                                         |                                                                                                      |
| TWA111116-CP-P-52                 | Handy exterior-D1014                                                                                                                                                     |                                                                                                                                                                |                            |                                                                                                         |                                                                                                      |
| TWA111116-CP-P-53                 | Portable-15                                                                                                                                                              |                                                                                                                                                                |                            |                                                                                                         |                                                                                                      |
| TWA111116-CP-P-54                 | Portable-14                                                                                                                                                              |                                                                                                                                                                |                            |                                                                                                         |                                                                                                      |
| TWA111116-CP-P-55                 | Portable-7                                                                                                                                                               |                                                                                                                                                                |                            |                                                                                                         |                                                                                                      |
| Chain of Custody                  | Relinquished By (Signature): <b>Mark P. S.</b><br>Relinquished By (Print Name): <b>Nathan Postern</b><br>Company Name:                                                   | Date: <b>11/11/16</b><br>Time:                                                                                                                                 | Chain of Custody           | Received By (Signature): <b>[Signature]</b><br>Received By (Print Name): <b>[Name]</b><br>Company Name: | Date: <b>11/11/16</b><br>Time: <b>1:12</b>                                                           |
| Chain of Custody                  | Relinquished By (Signature):<br>Relinquished By (Print Name):<br>Company Name:                                                                                           | Date:<br>Time:                                                                                                                                                 | Chain of Custody           | Received By (Signature):<br>Received By (Print Name):<br>Company Name:                                  | Date:<br>Time:                                                                                       |

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# Request for Environmental and IH Laboratory Analytical Services

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|                               |                                                                |                                                                                                                                                                 |                           |                                                                                                      |                                              |
|-------------------------------|----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------------------------------------------------------------------------------------------------|----------------------------------------------|
| <b>ATTENTION TO:</b>          |                                                                | Project No.: <u>Kyan Mathews</u>                                                                                                                                |                           | Client Job No.: <u>8888161899.01</u>                                                                 |                                              |
| <b>Lab Use Only</b>           | Date Logged In: _____                                          | Client No: _____                                                                                                                                                |                           | Logged In By: _____                                                                                  |                                              |
| <b>Report Results To</b>      | Name: Amanda Enbysk, Ryan Mathews                              | Sample Purpose: <input checked="" type="checkbox"/> Information <input type="checkbox"/> Regulatory <input type="checkbox"/> 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 #s: _____                                                                                                                                      |                           |                                                                                                      |                                              |
| <b>Send Invoice To</b>        | Phone: (509) 574-0839                                          | Fax: (509) 575-8453                                                                                                                                             |                           | Sample Purpose: A <input type="checkbox"/> B <input type="checkbox"/> Other <input type="checkbox"/> |                                              |
|                               | Call with Verbal Results: _____                                |                                                                                                                                                                 | Preservation: _____       |                                                                                                      | Container: _____                             |
|                               | Email Results To: aenbysk@fulcrum.net, cc: mathews@fulcrum.net |                                                                                                                                                                 | Matrix: _____             |                                                                                                      | Matrix: _____                                |
|                               | Fax Results To: _____                                          |                                                                                                                                                                 | SW=Surface Water          |                                                                                                      | W=Water                                      |
| <b>Special Instructions</b>   | Name: Lorrie Boutillier                                        | Matrix: _____                                                                                                                                                   |                           | Matrix: _____                                                                                        |                                              |
|                               | Company: Fulcrum Environmental                                 | GW=Groundwater                                                                                                                                                  |                           | Matrix: _____                                                                                        |                                              |
| <b>Client Sample ID</b>       | Address: 406 N 2nd Street                                      | S=Soil/Sludge                                                                                                                                                   |                           | Matrix: _____                                                                                        |                                              |
|                               | City, State, Zip: Yakima, WA, 98901                            | E=Extract                                                                                                                                                       |                           | Matrix: _____                                                                                        |                                              |
| <b>Sample Description</b>     | Phone: (509) 574-0839                                          | X=Other                                                                                                                                                         |                           | Matrix: _____                                                                                        |                                              |
|                               | Fax: (509) 575-8453                                            | O=Oil                                                                                                                                                           |                           | Matrix: _____                                                                                        |                                              |
| <b>Sample Date</b>            | EPA 200.8: _____                                               |                                                                                                                                                                 | Pres. Upon Receipt (Y/N)  |                                                                                                      | Container Type                               |
|                               | Pb, Cu _____                                                   |                                                                                                                                                                 | Preservation              |                                                                                                      | Matrix                                       |
| <b>Sample Time</b>            | Start _____                                                    |                                                                                                                                                                 | Matrix                    |                                                                                                      | Container Type                               |
|                               | Stop _____                                                     |                                                                                                                                                                 | pH                        |                                                                                                      | No. Containers                               |
| <b>Wipe Area / Air Volume</b> | Wipe Area / Air Volume _____                                   |                                                                                                                                                                 | pH                        |                                                                                                      | No. Containers                               |
|                               | Wipe Area / Air Volume _____                                   |                                                                                                                                                                 | pH                        |                                                                                                      | No. Containers                               |
| <b>Chain of Custody</b>       | Relinquished By (Signature): <u>Nathan Pearson</u>             | Date: <u>11/11/16</u>                                                                                                                                           | Time: _____               |                                                                                                      | Received By (Signature): <u>Ryan Mathews</u> |
|                               | Relinquished By (Print Name): <u>Nathan Pearson</u>            | Relinquished To: _____                                                                                                                                          | Method of Shipment: _____ |                                                                                                      | Received By (Print Name): _____              |
| <b>Chain of Custody</b>       | Relinquished By (Signature): _____                             | Date: _____                                                                                                                                                     | Time: _____               |                                                                                                      | Received By (Signature): _____               |
|                               | Relinquished By (Print Name): _____                            | Relinquished To: _____                                                                                                                                          | Method of Shipment: _____ |                                                                                                      | Received By (Print Name): _____              |
| <b>Chain of Custody</b>       | Relinquished By (Signature): _____                             | Date: _____                                                                                                                                                     | Time: _____               |                                                                                                      | Received By (Signature): _____               |
|                               | Relinquished By (Print Name): _____                            | Relinquished To: _____                                                                                                                                          | Method of Shipment: _____ |                                                                                                      | Received By (Print Name): _____              |

Pennsylvania - HQ  
350 Hochberg Road  
Monroeville, PA 15146

Washington  
Columbia Basin Analytical Laboratories  
2710 North 20th Avenue  
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724.325.1776 Phone  
724.733.1799 Fax

509.545.4989 Phone  
509.544.6010 Fax



|                      |  |                                                                  |  |                                                                             |  |
|----------------------|--|------------------------------------------------------------------|--|-----------------------------------------------------------------------------|--|
| ATTENTION TO:        |  | Project No.:                                                     |  | Client Job No.:                                                             |  |
| Lab Use Only         |  | Date Logged In:                                                  |  | Logged In By:                                                               |  |
| Report Results To    |  | Name: Amanda Enbysk, Ryan Matthews                               |  | Standard: Yes No                                                            |  |
|                      |  | Company: Fulcrum Environmental Consulting                        |  | If 'No', No. of Business Days:                                              |  |
|                      |  | Address: 406 North 2nd Street                                    |  | Sample Purpose: Information X Regulatory Accreditation (please list below): |  |
|                      |  | City, State, Zip: Yakima, WA, 98901                              |  | System ID #:                                                                |  |
|                      |  | Phone: (509) 574-0839                                            |  | DOH Source #:                                                               |  |
|                      |  | Fax: (509) 575-8453                                              |  | Multiple Sources #s:                                                        |  |
|                      |  | Call with Verbal Results:                                        |  | Sample Purpose: A B Other                                                   |  |
|                      |  | Email Results To: aenbysk@fulcrum.net, cc: rmatthews@fulcrum.net |  | Matrix: WW=Wastewater GW=Groundwater S=Soil/Sludge E=Extract                |  |
|                      |  | Fax Results To:                                                  |  | Container: P=Plastic G=Glass W=Wipe A=Air (filter or tube)                  |  |
| Send Invoice To      |  | Name: Lorie Boutillier                                           |  | Preservation                                                                |  |
|                      |  | Company: Fulcrum Environmental                                   |  | Matrix                                                                      |  |
|                      |  | Address: 406 N 2nd Street                                        |  | Container Type                                                              |  |
|                      |  | City, State, Zip: Yakima, WA, 98901                              |  | pH                                                                          |  |
|                      |  | Phone: (509) 574-0839                                            |  | No. Containers                                                              |  |
|                      |  | Fax: (509) 575-8453                                              |  |                                                                             |  |
| Special Instructions |  | Sample Description                                               |  | Sample Time                                                                 |  |
|                      |  | Client Sample ID                                                 |  | Start Stop                                                                  |  |
|                      |  | Sample Date                                                      |  | Wipe Area / Air Volume                                                      |  |
|                      |  | Date: 11/11/16                                                   |  |                                                                             |  |
|                      |  | Time: 11:12                                                      |  |                                                                             |  |
|                      |  | Relinquished By (Signature):                                     |  | Date: 11/11/16                                                              |  |
|                      |  | Relinquished By (Print Name): Nathan Robinson                    |  | Time: 11:12                                                                 |  |
|                      |  | Company Name:                                                    |  | Method of Shipment:                                                         |  |
| Chain of Custody     |  | Relinquished By (Signature):                                     |  | Date: 11/11/16                                                              |  |
|                      |  | Relinquished By (Print Name):                                    |  | Time: 11:12                                                                 |  |
|                      |  | Company Name:                                                    |  | Method of Shipment:                                                         |  |
| Chain of Custody     |  | Relinquished By (Signature):                                     |  | Date: 11/11/16                                                              |  |
|                      |  | Relinquished By (Print Name):                                    |  | Time: 11:12                                                                 |  |
|                      |  | Company Name:                                                    |  | Method of Shipment:                                                         |  |