



RJ LeeGroup, Inc. | Columbia Basin Analytical Laboratories

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

Subject: Chemical Analysis Report

Columbia Basin Analytical Laboratories received 13 sample(s) on 12/22/16 for analysis. These sample(s) have been assigned a login order number of W612115. 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', with the first name written in a cursive script and the last name in a more formal, slightly cursive script.

01/27/17

Project Coordinator II, M. Fernanda Pincheira

Date

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



Laboratory Report

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

RJ Lee Group No.: W612115
COC No.: Kennewick
Samples Received: 12/22/16
Analysis/Prep Date: 01/25/17
Report Date: 01/27/17

Client Project:

Fulcrum Kennewick

Sample Name: ADM122216-P-OF-01 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612115-01 **Date Analyzed:** 01/25/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	1.59	0.01	
Lead	EPA 200.8	< 0.0010	0.001	

Sample Name: ADM122216-P-OF-02 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612115-02 **Date Analyzed:** 01/25/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	1.29	0.01	
Lead	EPA 200.8	0.001	0.001	

Sample Name: ADM122216-P-OF-03 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612115-03 **Date Analyzed:** 01/25/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.77	0.01	
Lead	EPA 200.8	< 0.0010	0.001	

Sample Name: ADM122216-P-WC-04 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612115-04 **Date Analyzed:** 01/25/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.33	0.01	
Lead	EPA 200.8	< 0.0010	0.001	

Sample Name: ADM122216-P-WC-05 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612115-05 **Date Analyzed:** 01/25/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.41	0.01	
Lead	EPA 200.8	< 0.0010	0.001	

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Report Template: GenMetalReportFull_v12.rpt

Approved: 01/27/17 14:37
Report Time Stamp: 01/27/17 16:47



Sample Name: ADM122216-P-OF-06 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612115-06 **Date Analyzed:** 01/25/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.41	0.01	
Lead	EPA 200.8	0.004	0.001	

Sample Name: ADM122216-P-OF-07 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612115-07 **Date Analyzed:** 01/25/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.74	0.01	
Lead	EPA 200.8	< 0.0010	0.001	

Sample Name: ADM122216-P-OF-08 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612115-08 **Date Analyzed:** 01/25/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.78	0.01	
Lead	EPA 200.8	0.007	0.001	

Sample Name: ADM122216-P-WC-09 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612115-09 **Date Analyzed:** 01/25/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	1.23	0.01	
Lead	EPA 200.8	0.008	0.001	

Sample Name: ADM122216-P-WC-10 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612115-10 **Date Analyzed:** 01/25/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	1.35	0.01	
Lead	EPA 200.8	< 0.0010	0.001	

Sample Name: ADM122216-P-KF-11 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612115-11 **Date Analyzed:** 01/25/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.64	0.01	
Lead	EPA 200.8	< 0.0010	0.001	



Sample Name: ADM122216-P-WC-12 **Matrix:** Potable Water
RJ Lee Grp. ID: W612115-12

Date Received: 12/22/16
Date Analyzed: 01/25/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	1.17	0.01	
Lead	EPA 200.8	0.013	0.001	

Sample Name: ADM122216-P-WC-13 **Matrix:** Potable Water
RJ Lee Grp. ID: W612115-13

Date Received: 12/22/16
Date Analyzed: 01/25/17

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

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

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

Request for Environmental and IH Laboratory Analytical Services

W6/21/15

ATTENTION TO: RYAN MATHEWS		Purchase Order No.:	Client Job No.:
Lab Use Only	Project No.: Date Logged In: Name: Amanda Embysk, Ryan Mathews Company: Fulcrum Environmental Consulting Address: 406 North 2nd Street City, State, Zip: Yakima, WA, 98901 Phone: (509) 574-0839 Fax: (509) 575-8453 Call with Verbal Results: Email Results To: aembysk@fulcrum.net, CC: rmathews@fulcrum.net Fax Results To: Name: Lorrie Boutilier Company: Fulcrum Environmental Address: 406 North 2nd Street City, State, Zip: Yakima, WA, 98901 Phone: (509) 574-0839 Fax: (509) 575-8453	Client No.: Logged In By:	162017
Report Results To	Chain of Custody	Turnaround Request	Standard: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> If No, No. of Business Days: Sample Purpose: <input checked="" type="checkbox"/> Information <input checked="" type="checkbox"/> Regulatory <input type="checkbox"/> Accreditation (please list below): System ID #: _____ DOH Source #: _____ Multiple Sources #: _____ Sample Purpose: <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> Other <input type="checkbox"/>
Send Invoice To	Relinquished By (Signature): Relinquished By (Print Name): Company Name:	Chemistry Analysis Key	Preservation: Unpres, H ₂ SO ₄ , 4°C, HNO ₃ , NaOH, Na ₂ SO ₄ Matrix: WW=Wastewater, GW=Groundwater, S=Soil/Sludge, E=Extract Container: P=Plastic, G=Glass, W=Wipe, A=Air (filter or tube)
Special Instructions	Chain of Custody	Analysis Requested	Pres. Upon Receipt (Y/N)
Client Sample ID	Sample Description	Sample Date	Start
ADM122216-P-07-01	mail log room behind reception	12/22/16	15:11
ADM122216-P-06-03	lab X room 141		15:11
ADM122216-P-06-03	lab room 152		15:11
ADM122216-P-06-04	1st floor main entry, W		14:7
ADM122216-P-06-05	1st floor minority, E		14:8
ADM122216-P-06-06	Board room C		14:8
ADM122216-P-07-07	Storage, Room 167		15:0
ADM122216-P-07-08	1st floor breakroom		15:0
ADM122216-P-07-09	1st floor hallway outside		14:6
ADM122216-P-07-10	2nd floor reception, S		15:1
ADM122216-P-07-11	2nd floor breakroom 216		15:1
Chain of Custody	Relinquished By (Signature): Relinquished By (Print Name): Company Name:	Chain of Custody	Received By (Signature): Received By (Print Name): Company Name:
Relinquished By (Signature): Relinquished By (Print Name): Company Name:	Date: 12/22/16 Time: 15:45	Received By (Signature): Received By (Print Name): Company Name:	Date: DEC 22 2016 Time: 13:10
Chain of Custody	Relinquished By (Signature): Relinquished By (Print Name): Company Name:	Chain of Custody	Received By (Signature): Received By (Print Name): Company Name:
Relinquished By (Signature): Relinquished By (Print Name): Company Name:	Date: Time:	Received By (Signature): Received By (Print Name): Company Name:	Date: Time:

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Request for Environmental and IH Laboratory Analytical Services

ATTENTION TO: **RYAN MATHIEWS** Client Job No.: **162017**

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

Send Invoice To
 Company: Fulcrum Environmental Email: lboutillier@fulcrum.net
 Address: 406 North 2nd Street
 City, State, Zip: Yakima, WA, 98901 Fax: (509) 575-8453
 Phone: (509) 574-0839 Fax: (509) 575-8453

Special Instructions

Client Sample ID	Sample Description	Sample Time		Wipe Area / Air Volume	Analysis Requested	Pres. Upon Receipt (Y/N)	Preservation	Matrix	Container Type	pH	No. Containers
		Start	Stop								
ADM120216-P-WC-12	Expansion 17-1		12/20/16		X		UNPR.	DW			15.1
ADM120216-P-WC-13	Hillway ASDC										14.6

Turnaround Request
 Standard: Yes No If 'No', No. of Business Days: _____
 Sample Purpose: Information X Regulatory □ Accreditation (please list below): _____
 System ID #: _____
 DOH Source #: _____
 Multiple Sources #: _____
 Sample Purpose: A □ B □ Other □

Chemistry Analysis Key
 Unpres H₂SO₄ Matrix: WW=Wastewater SW=Surface Water Container: P=Plastic
 4°C HCl GW=Groundwater DW=Dinking Water G=Glass
 HNO₃ NaOH S=Soil/Sludge O=Oil W=Wipe
 Other Na₂SO₄ E=Extract X=Other A=Air (filter or tube)

Chain of Custody	Relinquished By (Signature)	Date	Time	Relinquished To	Method of Shipment	Chain of Custody	Received By (Signature)	Date	Time	Received By (Print Name)	Company Name	Relinquished To	Method of Shipment
Chain of Custody	Relinquished By (Signature): [Signature]	Date: 12/20/16	Time: 1345	Relinquished To:	Method of Shipment:	Chain of Custody	Received By (Signature): [Signature]	Date: DEC 22 2016	Time: 1340	Received By (Print Name):	Company Name:	Relinquished To:	Method of Shipment:
Chain of Custody	Relinquished By (Signature): [Signature]	Date:	Time:	Relinquished To:	Method of Shipment:	Chain of Custody	Received By (Signature): [Signature]	Date:	Time:	Received By (Print Name):	Company Name:	Relinquished To:	Method of Shipment:

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