



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 17 sample(s) on 12/22/16 for analysis. These sample(s) have been assigned a login order number of W612116. 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.

All samples were diluted 1:10.

X - Samples that exceeded the instrument calibration range were rerun at a 1:100 dilution, necessitating a 10-fold increase in the PQL.

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

02/02/17

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

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

RJ Lee Group No.: W612116
COC No.: Kennewick
Samples Received: 12/22/16
Analysis/Prep Date: 01/25/17
Report Date: 02/02/17

Client Project:

Fulcrum Kennewick

Sample Name: FLB122216-P-DF/WC-01 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612116-01 **Date Analyzed:** 01/25/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.37	0.01	
Lead	EPA 200.8	< 0.0010	0.001	

Sample Name: FLB122216-P-NF-02 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612116-02 **Date Analyzed:** 01/25/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.11	0.01	
Lead	EPA 200.8	0.008	0.001	

Sample Name: FLB122216-P-KF-03 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612116-03 **Date Analyzed:** 01/25/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.50	0.01	
Lead	EPA 200.8	< 0.0010	0.001	

Sample Name: FLB122216-P-KF-04 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612116-04 **Date Analyzed:** 01/25/17

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

Sample Name: FLB122216-P-KF-05 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612116-05 **Date Analyzed:** 01/25/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.40	0.01	
Lead	EPA 200.8	0.006	0.001	

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Report Template: GenMetalReportFull_v12.rpt

Approved: 02/2/17 16:12
Report Time Stamp: 02/02/17 17:02



Sample Name: FLB122216-P-KF-06 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612116-06 **Date Analyzed:** 01/25/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	1.07	0.01	
Lead	EPA 200.8	0.010	0.001	

Sample Name: FLB122216-P-KF-07 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612116-07 **Date Analyzed:** 01/25/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.66	0.01	
Lead	EPA 200.8	0.005	0.001	

Sample Name: FLB122216-P-KF-08 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612116-08 **Date Analyzed:** 01/25/17

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: FLB122216-P-DF/WC-09 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612116-09 **Date Analyzed:** 01/25/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.42	0.01	
Lead	EPA 200.8	< 0.0010	0.001	

Sample Name: FLB122216-P-DF-10 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612116-10 **Date Analyzed:** 01/25/17

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

Sample Name: FLB122216-P-DF-11 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612116-11 **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	0.004	0.001	



Sample Name: FLB122216-P-OF-12 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612116-12 **Date Analyzed:** 01/25/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.71	0.01	
Lead	EPA 200.8	0.030	0.001	

Sample Name: FLB122216-P-DF/WC-13 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612116-13 **Date Analyzed:** 01/25/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.24	0.01	
Lead	EPA 200.8	< 0.0010	0.001	

Sample Name: FLB122216-P-CF-14 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612116-14 **Date Analyzed:** 01/25/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.05	0.01	
Lead	EPA 200.8	0.002	0.001	

Sample Name: FLB122216-P-CF-15 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612116-15 **Date Analyzed:** 01/25/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.11	0.01	
Lead	EPA 200.8	0.007	0.001	

Sample Name: FLB122216-P-CF-16 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612116-16 **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	

Sample Name: FLB122216-P-CF-17 **Matrix:** Potable Water **Date Received:** 12/22/16
RJ Lee Grp. ID: W612116-17 **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	0.015	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

Wd2116

ATTENTION TO: RYAN MATHEWS		Client Job No.: 162017	
Lab Use Only	Project No.: Date Logged In: Logged In By:	Turnaround Request	Standard: Yes No <input type="checkbox"/> If 'No,' No. of Business Days: Sample Purpose: Information X Regulatory <input type="checkbox"/> Accreditation (please list below):
Report Results To	Name: Amanda Ebyusk, 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: aenbyusk@fulcrum.net, CC: rmathews@fulcrum.net Fax Results To:	Drinking Water Sample Only	System ID #: <input type="text"/> DOH Source #: <input type="text"/> Multiple Sources #: <input type="text"/>
Send Invoice 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	Chemistry Analysis Key	Preservation: <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> Other <input type="checkbox"/> Matrix: <input type="checkbox"/> WW=Wastewater <input type="checkbox"/> GW=Groundwater <input type="checkbox"/> S=Soil/Sediment <input type="checkbox"/> E=Extract <input type="checkbox"/> SW=Surface Water <input type="checkbox"/> DW=Drinking Water <input type="checkbox"/> O=Oil <input type="checkbox"/> X=Other Container: <input type="checkbox"/> P=Plastic <input type="checkbox"/> G=Glass <input type="checkbox"/> W=Wipe <input type="checkbox"/> A=Air (filter or tube)
Special Instructions		Analysis Requested	
Client Sample ID	Sample Description	Sample Date	Sample Time
		Start	Stop
		Wipe Area / Air Volume	
FLB 122216-P-01/Dec-01	Entrance	12-22-16	
FLB 122216-P-NF-02	Nurses office		
FLB 122216-P-KF-03	Wdprkroom		
FLB 122216-P-KF-04	Kitchen faucet		
FLB 122216-P-KF-05			
FLB 122216-P-KF-06			
FLB 122216-P-KF-07			
FLB 122216-P-KF-08			
FLB 122216-P-01/Dec-09	outside cafe		
FLB 122216-P-02-10	Gym		
FLB 122216-P-02-11	drillers outside NH18		
Chain of Custody	Relinquished By (Signature): Relinquished By (Print Name): Company Name:	Chain of Custody	Received By (Signature): Received By (Print Name): Company Name:
	Nathan Bostrom Nathan Bostrom Fulcrum		[Signature] Nathan Bostrom Fulcrum
Chain of Custody	Relinquished By (Signature): Relinquished By (Print Name): Company Name:	Chain of Custody	Received By (Signature): Received By (Print Name): Company Name:
	[Signature] Nathan Bostrom Fulcrum		[Signature] Nathan Bostrom Fulcrum
	Date: 12-22-16 Time: 2:20		Date: DEC 27 2016 Time: 14:30
	Relinquished To:		Relinquished To:
	Method of Shipment:		Method of Shipment:

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Request for Environmental and IH Laboratory Analytical Services

ATTENTION TO: RYAN MATHEWS		Purchase Order No.:		Client Job No.:		162017	
Lab Use Only	Project No.: Date Logged In:	Client No: Logged In By:	Turnaround Request		Standard: Yes No	If 'No,' No. of Business Days:	
Report Results To	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) 575-8433 Call with Verbal Results:	Email Results To: aembysk@fulcrum.net, CC: rmathews@fulcrum.net Fax Results To:	Drinking Water Sample Only		Sample Purpose: Information X Regulatory <input type="checkbox"/> Accreditation (please list below):		
Send Invoice To	Name: Lorrie Boutillier Company: Fulcrum Environmental Address: 406 North 2nd Street City, State, Zip: Yakima, WA, 98901 Phone: (509) 574-0839 Fax: (509) 575-8433	Email: lboutillier@fulcrum.net	Chemistry Analysis Key		Preservation: <input type="checkbox"/> Unpres <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> 4°C <input type="checkbox"/> HCl <input type="checkbox"/> NaOH <input type="checkbox"/> Na ₂ SO ₄ <input type="checkbox"/> Other		
Special Instructions			EPA 200.8: Pb, Cu		Matrix: <input type="checkbox"/> WW=Wastewater <input type="checkbox"/> GW=Groundwater <input type="checkbox"/> S=Soil/Sludge <input type="checkbox"/> E=Extract <input type="checkbox"/> SW=Surface Water <input type="checkbox"/> DW=Drinking Water <input type="checkbox"/> O=Oil <input type="checkbox"/> X=Other		
Client Sample ID	Sample Description	Sample Date	Sample Time	Wipe Area / Air Volume	Analysis Requested	Pres. Upon Receipt (Y/N)	Preservation
FLB122216-P-05-12	RM 1L	12-22-16					UNPR
FLB122216-P-DIPE-13	13 Halls, outside RM 1						DW
FLB122216-P-CP-14	RM 14						
FLB122216-P-CP-15	RM 15						
FLB122216-P-CP-16	RM 26						
FLB122216-P-CP-17	RM 27						
Chain of Custody	Relinquished By (Signature): <i>Nathan Ross</i> Relinquished By (Print Name): <i>Nathan Ross</i> Company Name: <i>Fulcrum</i>	Date: <i>12-29-16</i> Time: <i>2:26</i>	Relinquished To:	Method of Shipment:	Received By (Signature): <i>[Signature]</i> Received By (Print Name): <i>[Name]</i> Company Name:	Date: <i>DEC 22 2016</i> Time: <i>14:20</i>	Relinquished To:
Chain of Custody	Relinquished By (Signature): Relinquished By (Print Name): Company Name:	Date: Relinquished To: Method of Shipment:	Time: Time: Time:	Method of Shipment:	Received By (Signature): Received By (Print Name): Company Name:	Date: Relinquished To: Method of Shipment:	Time: Time: Time:

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