

RJ Lee Group, Inc. | Columbia Basin Analytical Laboratories

2710 North 20th Avenue, Pasco WA 99301 Tel: (509) 545-4989 | Fax: (509) 544-6010

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

Subject: Chemical Analysis Report

Columbia Basin Analytical Laboratories received 23 sample(s) on 12/21/16 for analysis. These sample(s) have been assigned a login order number of W612098. 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:

Office Manager JJ Furlong Date

If you have any questions please feel free to contact JJ Furlong at jfurlong@rjlg.com.

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



Laboratory Report

Amanda Enbysk

RJ Lee Group No.:W612098

Fulcrum Environmental

COC No.: Kennewick Samples Received: 12/21/16

406 N. 2nd St. Yakima, WA 98901

Analysis/Prep Date: 01/09/17 Report Date: 01/09/17

Client Project:

Fulcrum Kennewick

Sample Name:

RJ Lee Grp. ID:

CWE122116-P-KF-01 Matrix: Potable Water W612098-01

Date Received: 12/21/16 **Date Analyzed:** 01/09/17

Analyte Method Result **POL Qualifiers** (mg/L)(mg/L)EPA 200.8 0.10 0.01 Copper EPA 200.8 0.008 0.001 Lead

Date Received: 12/21/16 Sample Name: CWE122116-P-KF-02 Matrix: Potable Water W612098-02 Date Analyzed: 01/09/17 RJ Lee Grp. ID:

Method Result **PQL** Analyte Qualifiers (mg/L)(mg/L)EPA 200.8 0.11 0.01 Copper Lead EPA 200.8 0.003 0.001

Date Received: 12/21/16 Sample Name: CWE122116-P-KF-03 Matrix: Potable Water RJ Lee Grp. ID: W612098-03 **Date Analyzed:** 01/09/17

Analyte Qualifiers Method Result **PQL** (mg/L)(mg/L)EPA 200.8 0.10 0.01 Copper Lead EPA 200.8 0.004 0.001

Date Received: 12/21/16 Sample Name: CWE122116-P-KF-04 Matrix: Potable Water RJ Lee Grp. ID: W612098-04 Date Analyzed: 01/09/17

Method **Analyte** Result POL **Qualifiers** (mg/L)(mg/L)Copper 0.10 0.01 EPA 200.8 Lead EPA 200.8 0.003 0.001

Date Received: 12/21/16 Sample Name: CWE122116-P-DF-05 Matrix: Potable Water RJ Lee Grp. ID: W612098-05 Date Analyzed: 01/09/17

Result Method **Analyte PQL** Qualifiers (mg/L)(mg/L) EPA 200.8 0.08 0.01 Copper Lead EPA 200.8 0.001 0.001

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

WWW.RJLEEGROUP.COM

01/9/17 17:13 Approved: Report Template: GenMetalReportFull v12.rpt Report Time Stamp: 01/09/17 17:50



Sample Name:	CWE122116-P-DF-06	Matrix	Potable Water	Date Received:	12/21/16
RJ Lee Grp. ID:		mati ix.	Totalie Water	Date Analyzed:	01/09/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.06	0.01	_
Lead	EPA 200.8	< 0.001	0.001	

Sample Name: CWE122116-P-DF-07 Matrix: Potable Water

RJ Lee Grp. ID: W612098-07

Matrix: Potable Water

Date Received: 12/21/16

Date Analyzed: 01/09/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.07	0.01	
Lead	EPA 200.8	< 0.001	0.001	

Sample Name: CWE122116-P-CF-08 Matrix: Potable Water

RJ Lee Grp. ID: W612098-08

Date Received: 12/21/16

Date Analyzed: 01/09/17

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

Sample Name: CWE122116-P-CF-09 Matrix: Potable Water Date Received: 12/21/16 Date Analyzed: 01/09/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.09	0.01	
Lead	EPA 200.8	0.003	0.001	

Sample Name: CWE122116-P-CF-10 Matrix: Potable Water

RJ Lee Grp. ID: W612098-10

Date Received: 12/21/16

Date Analyzed: 01/09/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.08	0.01	
Lead	EPA 200.8	0.001	0.001	

Sample Name: CWE122116-P-OF-11 Matrix: Potable Water

RJ Lee Grp. ID: W612098-11

Date Received: 12/21/16

Date Analyzed: 01/09/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.31	0.01	_
Lead	EPA 200.8	0.025	0.001	

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



Sample Name:	CWE122116-P-NF-12	Matrix	Potable Wate	r	Date Received	: 12/21/16
RJ Lee Grp. ID:	W612098-12	wiati ix.	Totable wate	4	Date Analyzed	: 01/09/17

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

Sample Name: CWE122116-P-OF-13 Matrix: Potable Water

RJ Lee Grp. ID: W612098-13

Date Received: 12/21/16

Date Analyzed: 01/09/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.22	0.01	_
Lead	EPA 200.8	0.004	0.001	

Sample Name: CWE122116-P-CF-14 Matrix: Potable Water

RJ Lee Grp. ID: W612098-14

Date Received: 12/21/16

Date Analyzed: 01/09/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.08	0.01	
Lead	EPA 200.8	0.001	0.001	

Sample Name: CWE122116-P-CF-15 Matrix: Potable Water

RJ Lee Grp. ID: W612098-15

Matrix: Potable Water

Date Received: 12/21/16

Date Analyzed: 01/09/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.08	0.01	
Lead	EPA 200.8	< 0.001	0.001	

Sample Name: CWE122116-P-DF-16 Matrix: Potable Water

RJ Lee Grp. ID: W612098-16

Date Received: 12/21/16

Date Analyzed: 01/09/17

					
	Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
_	Copper	EPA 200.8	0.08	0.01	
I	Lead	EPA 200.8	< 0.001	0.001	

Sample Name: CWE122116-P-DF-17 Matrix: Potable Water

RJ Lee Grp. ID: W612098-17

Date Received: 12/21/16

Date Analyzed: 01/09/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.07	0.01	
Lead	EPA 200.8	< 0.001	0.001	

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

Date Received: 12/21/16



Sample Name:

CWE122116-P-CF-18

RJ Lee Grp. ID: W612098-18	Marine Tomore was		Date Analyzed	1: 01/09/17
Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.08	0.01	_
Lead	EPA 200.8	< 0.001	0.001	

Matrix: Potable Water

Sample Name: CWE122116-P-DF-19 Matrix: Potable Water

RJ Lee Grp. ID: W612098-19

Matrix: Potable Water

Date Received: 12/21/16

Date Analyzed: 01/09/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.07	0.01	
Lead	EPA 200.8	< 0.001	0.001	

Sample Name: CWE122116-P-DF-20 Matrix: Potable Water

RJ Lee Grp. ID: W612098-20

Date Received: 12/21/16

Date Analyzed: 01/09/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.07	0.01	
Lead	EPA 200.8	< 0.001	0.001	

Sample Name: CWE122116-P-CF-21 Matrix: Potable Water

RJ Lee Grp. ID: W612098-21

Matrix: Potable Water

Date Received: 12/21/16

Date Analyzed: 01/09/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	0.08	0.01	
Lead	EPA 200.8	< 0.001	0.001	

Sample Name: CWE122116-P-CF-22 Matrix: Potable Water

RJ Lee Grp. ID: W612098-22

Matrix: Potable Water

Date Received: 12/21/16

Date Analyzed: 01/09/17

Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	1.2	0.1	
Lead	EPA 200.8	0.015	0.001	

Sample Name: CWE122116-P-CF-23 Matrix: Potable Water

RJ Lee Grp. ID: W612098-23

Date Received: 12/21/16

Date Analyzed: 01/09/17

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	

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



Report Qualifiers:

 $A = Target\ Analyte\ media\ breakthrough\ suspect,\ see\ analytical\ report$

D = Analyte analyzed in a dilution

 $E=Report\ concentration\ was\ above\ the\ instrument\ calibration\ range$

 $J=Analyte\ detected\ below\ quantitation\ limits,\ concentration\ is\ estimated$

J. Cano

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

 $Q = Result \ out \ of \ method \ specific \ acceptance \ QC \ criteria$

S = Spike Recovery outside accepted recovery limits

Z = Not ELAP accredited analyte

ND = Not Detected

B = Analyte detected in the associated blank

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

H = Holding times for preparation or analysis exceeded

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

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

 $U = Analyte \ analyzed \ for \ but \ not \ detected$

N/A = Not Applicable

Scientist III J Grissmerson

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

Report Template: GenMetalReportFull_v12.rpt

Approved: 01/9/17 17:13 Report Time Stamp: 01/09/17 17:50

Request for Environmental and IH Laboratory Analytical Services Wulzung

e P

	Custody	Chain of		Custody	Chain of	CUSER	CWEIZ	nami	CWE127	Irruano	CW612211	Christan	CLUSIZ	CWEIZZ	Current	Ful	Clie	Special Instructions										To	Results	Report			Only	Lab Use	ATTENTION TO:
company Name:	Relinquished By (Print Name):	Relinquished By (Signature):	Company Name: 1	Relinquished By (Print Name):	Relinquished By (Signature):	11-20-9110300	JWE122116-P-CF 10	7812916-6-CF-09	CWE122116-PEF-08	chenzille-p-pr-07	JUE 122116 -P-DF-06	WEDZIN-P-DF-SS	10 22 - 4-11213M	WEIZING-PKFCB	WEDZIN-P-KFEZ	162116-P-KFOI	Client Sample ID			Phone: (509) 574-0839	City, State, Zip:		Company:	Name: Lorrie Boutillier	Fax Results To:	Email Results To:	Call with Verbal Results:	Phone: (509) 574-0839	City, State, Zip:	Address: 406 North	Company: Fulcrum E	Name: Amanda Enbysk, Ryan Mathews	Date Logged In:	Project No.:	
	Name):	ture):	S	Name: LEVI WHAT	ture):	teacher l'amar	Room5	Room8	Reom	かるまと	Fact entry	Caleteria	不対象n	KITIMA	Kithen the	Kitchen	Sample Description			-0839 Fax:	Yakima, WA, 98901	406 North 2nd Street	Fulcrum Environmental Email:			aenbysk@efulcrum.net, CC: rmathews@efulcrum.net	5:	-0839 Fax:	Yakima, WA, 98901	406 North 2nd Street	Fulcrum Environmental Consulting		Logged in By:	Client No:	RYAN MATHEWS
Method of Shipment:	Relinquished To:	Date:	Method of Shipment:	Relinquished To:	Date: 124	Ę										12121	Sample Date			(509) 575-8453			Email: lboutillier@efulcrum.net			thews@efulcrum.i		(509) 575-8453				2	In By:	No:	
onipment:	d To:		Shipment:	d To:	12/21/16												Start	Sampl		453			m.net			net		453							
		Time:			Time: 1:53												Stop	Sample Time																	\$1
					w												Wipe Area / Air Volume																		
	Custody	Chain of		Custody	Chain of														And Pais (ve)	Analysis Key	Chemistry			Sample Only	Water	Drinking		Request	Turnaround	Purchase Order No.:					
company Name:	Received	Received	Company Vame:	Received By	Received By	2											An							Other N		Ē	킕	Sample Purpose: A	Multiple Sources #s:	DOH Source #:	System ID #:	Sample Purpose:	Standard:		r No.:
Name:	Received By (Print Name):	Received By (Signature):	Marge: Ca	By Print Names																		Analysis Requested	4	Na-SO.	HO-IDH	H ₂ SO ₄	'n.	pose: A 🗆 B	urces #s:	*		pose: Inform	ğ		
	ime):	re):	6	Har J	et																	ested		E=Extract	S=Soil/Sludge	WW=Wastewater	Matrix:	0ther =				Information X Regulatory	NO II NO,		
Metr	Relin	Date:	Meth	Relin	أيال											义	Pres. I	Up	on Rec	eip	t (Y,	/N)		X=Other	O=Oil	SW=Surface Water	1					Accreditation (please list below):	II No, No of busiless pays.	No of Business I	Client Job No.:
Method of Shipment:	Relinquished To:	9	Method of Shipment:	Relinquished To:	21	<u>_</u>										UNPR.	Preservation Matrix								AAGLEI	Vater						(please list	Jays:		
ment:		Time:	oment:	ш	2016 Time:	<u>e</u>										DW	Matrix Container Type							A=Air (fil	W=Wipe	P=Plastic	Container:					below):			162017
		ļ [.] .			in											r			рН					A=Air (filter or tube)			:16								17
					8	18.	17.	he	16	14.	13.	16.	16.	15	16.	16	No. Containers							be)											

Pennsylvania - HQ

350 Hochberg Road Monroeville, PA 15146

Pasco, WA 99301

Columbia Basin Analytical Laboratories 2710 North 20th Avenue

Washington

509.545.4989 Phone 509.544.6010 Fax

724.325.1776 Phone 724.733.1799 Fax

DELIVERING SCIENTIFIC RESOLUTION RJ LEE GROUP

Request for Environmental and IH Laboratory Analytical Services

Abstraction Project No. Part Mark Mark Project No. Part Project No. Part		_		¥	. 35241	102	1200	_	_	_						h	1.	_	_		10		_		_	_					_	<i>- -</i>	1	-
Client No. Cli	Chain of Custody		Custody	CHAME!Z	~	CWE1221	CWEIZ	CMEIZ	21,900	(WED	CMPI	CWE)	(WEN	CHEW?	COURT	Clie	Instructions	Special		То	send Invoice						To	Results	Panori			Only	Lab Use	TTENTION TO
Client No:	Relinquished By (Signa Relinquished By (Print Company Name:		Relinquished By (Print	Relinquished By (Signa	116-P-CF-22				2216-P-CF-18	2116-PDF 17	DIMP-DF 16	221/6-8-45-15	2116P-CF-14	116-P-OF- 13	2116-P-NF-12	nt Sample ID				City, State, Zip:	- 1	Company: Fulcrum	Name: Lorrie Boutillier			Call with Verbal Result				Company: Fulcrum	Name: Amanda Enbys	Date Logged In:	roject No.:	
Purchase Orde No.:	Name):	rdc rum	Name): (EVI)	WOOD HIDSTIN	Att room	Milliam /	South entry	South entry	20m 22	4		ROME	izam 26	(Work Room	9-	Sample Descript			3	Yakima, WA, 98901		nvironmental			aenbysk@efulcrum.net, C	S:		Yakima, WA, 98901	າ 2nd Street	nvironmental Consulting				A A T LI F (A / C
Purchase Orde No.:		0	*	5	•		'				(sens)				(0)	ion						Email: Iboutil			C: rmathews						200	Logged In By:	Client No:	
Purchase Orde No.:	Date: Relinquished Method of S	Method of S	Relinquished	Date: 124	₩									_	12121	Sample Date			(509) 575-84			lier@efulcru			@efulcrum.r		509) 575-84							
Purchase Order No.: Client Job No. If No. No. of Business Days: Request	To:	hipment:	Н													Start	Sample		153			m.net			1et		153							
Client Job No.: Client Job No.: Client Job No.: Client Job No.:	Time:															Stop	Time																	
Chain of Custody Company Name: Clent Lob No.: Company Name: Clent Lob No. Cl				53												Wipe Area / Air Volume																		
ple Purpose: Information X Regulatory	Chain of Custody		Custody	Chain of													Pb, Cu	EPA 200.8:					Analysis Key	Cuemistry	Chemistry			Sample Only	Water	Drinking		Request	Turnaround	I Purchase Orde
Accreditation (please list be Days: Accreditation (please list be Days: X=Other X	Received By (Sign Received By (Print Company Name:	Company Name	Received By (Print	Received By Sign	5																Analysis R		ONH ONH	4 C	res	몆	Sample Purpose: A		DOH Source #:	System ID #:	Sample Purpose: Infi		:	20.
Accreditation (please list be Days: Accreditation (please list be Description (please	ature): t Name):	(Le)	Manufac C	でして	N N												_				equested	!	5=5xtract	S=Soil/Sludge	WW=Wastewa	Matrix:	В				ormation X Regulato			
of Ship To Shi	Date: Relind Meth	Meth	Relino	3	E										×	Pres.	Jpor	n Red	ceipt	t (Y/	'N)	:	X=Other									No,' No. of Business D		Client Job No.:
Container: P=Plastic G=Glass W=Wipe A=Air (filter or tubs pH Time: pH Time:	quished To od of Ship	od of Ship	quished To	21	<u> </u>										UNPR.			_	_					Water	Vater						please list b	lays:		
pH pH	len	ment:	•••	116 Time:										-	DW P	0	-		-	e			A=Air (filte	W=Wipe	P=Plastic	Container					elow):			16201
																		рН					er or tube											7

DELIVERING SCIENTIFIC RESOLUTION

RJ LEE GROUP

724.325.1776 Phone 724.733.1799 Fax

Pasco, WA 99301 509.545.4989 **Phone** 509.544.6010 **Fax**

Pennsylvania - HQ 350 Hochberg Road Monroeville, PA 15146

Columbia Basin Analytical Laboratories 2710 North 20th Avenue

Washington