

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Fulcrum Environmental

Ryan Mathews 406 N. 2nd Street Yakima, WA 98901

RE: Kennewick SD Drinking Water - Canyon View Elementary

Work Order Number: 1703045

March 13, 2017

Attention Ryan Mathews:

Fremont Analytical, Inc. received 17 sample(s) on 3/6/2017 for the analyses presented in the following report.

Drinking Water Metals by EPA Method 200.8

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

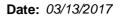
All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Chelsea Ward Project Manager

DoD/ELAP Certification #L2371, ISO/IEC 17025:2005 ORELAP Certification: WA 100009-007 (NELAP Recognized)





CLIENT: Fulcrum Environmental Work Order Sample Summary

Project: Kennewick SD Drinking Water - Canyon Vie

Work Order: 1703045

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1703045-001	CVE3417-P-KF-02	03/04/2017 9:00 AM	03/06/2017 8:54 AM
1703045-002	CVE3417-P-WC-7	03/04/2017 9:00 AM	03/06/2017 8:54 AM
1703045-003	CVE3417-P-WC-8	03/04/2017 9:00 AM	03/06/2017 8:54 AM
1703045-004	CVE3417-P-CDF-19	03/04/2017 9:00 AM	03/06/2017 8:54 AM
1703045-005	CVE3417-P-CF-20	03/04/2017 9:00 AM	03/06/2017 8:54 AM
1703045-006	CVE3417-P-CDF-26	03/04/2017 9:00 AM	03/06/2017 8:54 AM
1703045-007	CVE3417-P-OF-27	03/04/2017 9:00 AM	03/06/2017 8:54 AM
1703045-008	CVE3417-P-OF-33	03/04/2017 9:00 AM	03/06/2017 8:54 AM
1703045-009	CVE3417-S-OF-33	03/04/2017 9:00 AM	03/06/2017 8:54 AM
1703045-010	CVE3417-T-OF-33	03/04/2017 9:00 AM	03/06/2017 8:54 AM
1703045-011	CVE3417-P-CF-44	03/04/2017 9:00 AM	03/06/2017 8:54 AM
1703045-012	CVE3417-P-OF-47	03/04/2017 9:00 AM	03/06/2017 8:54 AM
1703045-013	CVE3417-P-CF-48	03/04/2017 9:00 AM	03/06/2017 8:54 AM
1703045-014	CVE3417-P-CDF-34	03/04/2017 9:00 AM	03/06/2017 8:54 AM
1703045-015	CVE3417-P-CF-42	03/04/2017 9:00 AM	03/06/2017 8:54 AM
1703045-016	CVE3417-S-CF-42	03/04/2017 9:00 AM	03/06/2017 8:54 AM
1703045-017	CVE3417-T-CF-42	03/04/2017 9:00 AM	03/06/2017 8:54 AM



Case Narrative

WO#: **1703045**Date: **3/13/2017**

CLIENT: Fulcrum Environmental

Project: Kennewick SD Drinking Water - Canyon View Elementary

WorkOrder Narrative:

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Prep Sample Comments:

1703045-001A 209804: Prep Comments for EPA200.8, Sample 1703045-001A: Turbidity: 0.28 NTU 1703045-002A 209808: Prep Comments for EPA200.8, Sample 1703045-002A: Turbidity: 0.00 NTU 1703045-003A 209809: Prep Comments for EPA200.8, Sample 1703045-003A: Turbidity: 0.00 NTU 1703045-004A 209810: Prep Comments for EPA200.8, Sample 1703045-004A: Turbidity: 0.01 NTU 1703045-005A 209811: Prep Comments for EPA200.8, Sample 1703045-005A: Turbidity: 0.01 NTU 1703045-006A 209812: Prep Comments for EPA200.8, Sample 1703045-006A: Turbidity: 0.10 NTU 1703045-007A 209813: Prep Comments for EPA200.8, Sample 1703045-007A: Turbidity: 0.36 NTU 1703045-008A 209814: Prep Comments for EPA200.8, Sample 1703045-008A: Turbidity: 0.00 NTU 1703045-011A 209815: Prep Comments for EPA200.8, Sample 1703045-011A: Turbidity: 0.01 NTU 1703045-012A 209816: Prep Comments for EPA200.8, Sample 1703045-012A: Turbidity: 0.00 NTU 1703045-013A 209817: Prep Comments for EPA200.8, Sample 1703045-013A: Turbidity: 0.00 NTU 1703045-014A 209818: Prep Comments for EPA200.8, Sample 1703045-014A: Turbidity: 0.01 NTU 1703045-014A 209818: Prep Comments for EPA200.8, Sample 1703045-014A: Turbidity: 0.01 NTU 1703045-015A 209819: Prep Comments for EPA200.8, Sample 1703045-015A: Turbidity: 0.01 NTU 1703045-015A 209819: Prep Comments for EPA200.8, Sample 1703045-015A: Turbidity: 0.00 NTU



Qualifiers & Acronyms

WO#: **1703045**

Date Reported: 3/13/2017

Qualifiers:

- * Flagged value is not within established control limits
- B Analyte detected in the associated Method Blank
- D Dilution was required
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- I Analyte with an internal standard that does not meet established acceptance criteria
- J Analyte detected below Reporting Limit
- N Tentatively Identified Compound (TIC)
- Q Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF)
- S Spike recovery outside accepted recovery limits
- ND Not detected at the Reporting Limit
- R High relative percent difference observed

Acronyms:

%Rec - Percent Recovery

CCB - Continued Calibration Blank

CCV - Continued Calibration Verification

DF - Dilution Factor

HEM - Hexane Extractable Material

ICV - Initial Calibration Verification

LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate

MB or MBLANK - Method Blank

MDL - Method Detection Limit

MS/MSD - Matrix Spike / Matrix Spike Duplicate

PDS - Post Digestion Spike

Ref Val - Reference Value

RL - Reporting Limit

RPD - Relative Percent Difference

SD - Serial Dilution

SGT - Silica Gel Treatment

SPK - Spike

Surr - Surrogate



Work Order: 1703045

Date Reported: 3/13/2017

CLIENT: Fulcrum Environmental

Project: Kennewick SD Drinking Water - Canyon View Elementary

Lab ID: 1703045-001 **Collection Date:** 3/4/2017 9:00:00 AM

Client Sample ID: CVE3417-P-KF-02 Matrix: Drinking Water

Analyses Result RL Qual Units DF Date Analyzed

<u>Drinking Water Metals by EPA Method 200.8</u>
Batch ID: 16430 Analyst: TN

Copper 882 0.500 µg/L 1 3/10/2017 8:34:16 PM

Lab ID: 1703045-002 **Collection Date:** 3/4/2017 9:00:00 AM

Client Sample ID: CVE3417-P-WC-7 Matrix: Drinking Water

Analyses Result RL Qual Units DF Date Analyzed

<u>Drinking Water Metals by EPA Method 200.8</u>
Batch ID: 16430 Analyst: TN

Copper 198 0.500 μ g/L 1 3/10/2017 8:58:27 PM

Lab ID: 1703045-003 **Collection Date:** 3/4/2017 9:00:00 AM

Client Sample ID: CVE3417-P-WC-8 Matrix: Drinking Water

Analyses Result RL Qual Units DF Date Analyzed

<u>Drinking Water Metals by EPA Method 200.8</u>

Batch ID: 16430

Analyst: TN

Copper 295 0.500 µg/L 1 3/10/2017 9:02:29 PM



Work Order: 1703045

Date Reported: 3/13/2017

CLIENT: Fulcrum Environmental

Project: Kennewick SD Drinking Water - Canyon View Elementary

Lab ID: 1703045-004 **Collection Date:** 3/4/2017 9:00:00 AM

Client Sample ID: CVE3417-P-CDF-19 Matrix: Drinking Water

Analyses Result RL Qual Units DF Date Analyzed

<u>Drinking Water Metals by EPA Method 200.8</u>
Batch ID: 16430 Analyst: TN

Copper 714 0.500 μg/L 1 3/10/2017 9:06:31 PM

Lab ID: 1703045-005 **Collection Date:** 3/4/2017 9:00:00 AM

Client Sample ID: CVE3417-P-CF-20 Matrix: Drinking Water

Analyses Result RL Qual Units DF Date Analyzed

<u>Drinking Water Metals by EPA Method 200.8</u>
Batch ID: 16430 Analyst: TN

Copper 1,050 0.500 µg/L 1 3/10/2017 9:10:33 PM

Lab ID: 1703045-006 **Collection Date:** 3/4/2017 9:00:00 AM

Client Sample ID: CVE3417-P-CDF-26 Matrix: Drinking Water

Analyses Result RL Qual Units DF Date Analyzed

Drinking Water Metals by EPA Method 200.8 Batch ID: 16430 Analyst: TN

Copper 628 0.500 µg/L 1 3/10/2017 9:14:34 PM



Work Order: 1703045

Date Reported: 3/13/2017

CLIENT: Fulcrum Environmental

Project: Kennewick SD Drinking Water - Canyon View Elementary

Lab ID: 1703045-007 **Collection Date:** 3/4/2017 9:00:00 AM

Client Sample ID: CVE3417-P-OF-27 Matrix: Drinking Water

Analyses Result RL Qual Units DF Date Analyzed

<u>Drinking Water Metals by EPA Method 200.8</u>
Batch ID: 16430 Analyst: TN

Copper 1,500 0.500 μg/L 1 3/10/2017 9:18:36 PM

Lab ID: 1703045-008 **Collection Date:** 3/4/2017 9:00:00 AM

Client Sample ID: CVE3417-P-OF-33 Matrix: Drinking Water

Analyses Result RL Qual Units DF Date Analyzed

Drinking Water Metals by EPA Method 200.8 Batch ID: 16430 Analyst: TN

Copper 992 0.500 μg/L 1 3/10/2017 9:22:38 PM

Lab ID: 1703045-011 **Collection Date:** 3/4/2017 9:00:00 AM

Client Sample ID: CVE3417-P-CF-44 Matrix: Drinking Water

Analyses Result RL Qual Units DF Date Analyzed

<u>Drinking Water Metals by EPA Method 200.8</u>

Batch ID: 16430

Analyst: TN

Copper 825 0.500 µg/L 1 3/10/2017 9:26:40 PM



Work Order: 1703045

Date Reported: 3/13/2017

CLIENT: Fulcrum Environmental

Project: Kennewick SD Drinking Water - Canyon View Elementary

Lab ID: 1703045-012 **Collection Date:** 3/4/2017 9:00:00 AM

Client Sample ID: CVE3417-P-OF-47 Matrix: Drinking Water

Analyses Result RL Qual Units DF Date Analyzed

<u>Drinking Water Metals by EPA Method 200.8</u>
Batch ID: 16430 Analyst: TN

Copper ND 0.500 μg/L 1 3/10/2017 9:30:41 PM

Lab ID: 1703045-013 **Collection Date:** 3/4/2017 9:00:00 AM

Client Sample ID: CVE3417-P-CF-48 Matrix: Drinking Water

Analyses Result RL Qual Units DF Date Analyzed

<u>Drinking Water Metals by EPA Method 200.8</u>

Batch ID: 16430 Analyst: TN

Copper 1,200 0.500 μ g/L 1 3/10/2017 9:42:48 PM

Lab ID: 1703045-014 **Collection Date:** 3/4/2017 9:00:00 AM

Client Sample ID: CVE3417-P-CDF-34 Matrix: Drinking Water

Analyses Result RL Qual Units DF Date Analyzed

<u>Drinking Water Metals by EPA Method 200.8</u>

Batch ID: 16430

Analyst: TN

Copper 672 0.500 μg/L 1 3/10/2017 9:46:50 PM



Work Order: 1703045

Date Reported: 3/13/2017

CLIENT: Fulcrum Environmental

Project: Kennewick SD Drinking Water - Canyon View Elementary

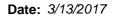
Lab ID: 1703045-015 Collection Date: 3/4/2017 9:00:00 AM

Client Sample ID: CVE3417-P-CF-42 Matrix: Drinking Water

Analyses Result RL Qual Units DF Date Analyzed

<u>Drinking Water Metals by EPA Method 200.8</u>
Batch ID: 16430 Analyst: TN

Copper 940 0.500 μg/L 1 3/10/2017 9:50:52 PM





Work Order: 1703045

Copper

1,060

0.500

200.0

QC SUMMARY REPORT

CLIENT: Fulcrum Environmental

Project:	Kennewick	SD Drinking Water - 0	Canyon V	ïe				Orinking Water M	etals by EPA Method	d 200.
Sample ID	MB-16430	SampType: MBLK			Units: µg/L		Prep Date	: 3/6/2017	RunNo: 34877	
Client ID:	MBLKW	Batch ID: 16430					Analysis Date	: 3/10/2017	SeqNo: 665991	
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit RPD Ref Val	%RPD RPDLimit	Qual
Copper		ND	0.500							
Sample ID	LCS-16430	SampType: LCS			Units: µg/L		Prep Date	: 3/6/2017	RunNo: 34877	
Client ID:	LCSW	Batch ID: 16430					Analysis Date	3/10/2017	SeqNo: 665992	
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit RPD Ref Val	%RPD RPDLimit	Qual
Copper		91.3	0.500	100.0	0	91.3	85	115		
Sample ID	1703045-001ADUP	SampType: DUP			Units: µg/L		Prep Date	: 3/6/2017	RunNo: 34877	
Client ID:	CVE3417-P-KF-02	Batch ID: 16430					Analysis Date	3/10/2017	SeqNo: 665994	
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit RPD Ref Val	%RPD RPDLimit	Qual
Copper		821	0.500					881.8	7.10 30	
Sample ID	1703045-001AMS	SampType: MS			Units: µg/L		Prep Date	: 3/6/2017	RunNo: 34877	
Client ID:	CVE3417-P-KF-02	Batch ID: 16430					Analysis Date	3/10/2017	SeqNo: 665995	
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit RPD Ref Val	%RPD RPDLimit	Qual
Copper NOTES:		1,010	0.500	200.0	881.8	66.6	70	130		S
S - Outly	ing spike recovery(ies)	observed. A duplicate anal	ysis was pe	rformed and r	ecovered within rang	ge.				
Sample ID	1703045-001AMSD	SampType: MSD			Units: µg/L		Prep Date	3/6/2017	RunNo: 34877	
Client ID:	CVE3417-P-KF-02	Batch ID: 16430					Analysis Date	3/10/2017	SeqNo: 665998	
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit RPD Ref Val	%RPD RPDLimit	Qual

Page 10 of 17 Original

881.8

70

130

1,015

4.66

30

90.8



Sample Log-In Check List

CI	ient Name:	FE		Work O	rder Num	ber: 1703045		
Lo	ogged by:	Erica Silva		Date Re	ceived:	3/6/2017	8:54:00 AM	
<u>Cha</u>	in of Custo	od <u>y</u>						
		ustody complete?		Yes	✓	No 🗌	Not Present	
		sample delivered?		<u>FedE</u>	<u>x</u>			
Log				.,		\Box		
3.	Coolers are p	resent?		Yes	✓	No 🗀	NA L	
4.	Shipping conf	tainer/cooler in good condition	1?	Yes	✓	No 🗌		
5.		s present on shipping contain		Yes		No 🗸	Not Required	
	(Refer to com	ments for Custody Seals not	intact)					
6.	Was an atten	npt made to cool the samples	?	Yes	✓	No 📙	NA L	
7	Were all item	s received at a temperature o	f >0°C to 10.0°C*	Yes	✓	No 🗆	na 🗆	
7.	Word all item	o received at a temperature o	1 20 0 10 10.0 0	103		ПО Ш	101	
8.	Sample(s) in	proper container(s)?		Yes	✓	No 🗌		
9.	Sufficient san	nple volume for indicated test	(s)?	Yes	✓	No 🗌		
10.	Are samples	properly preserved?		Yes	✓	No \square		
11.	Was preserva	ative added to bottles?		Yes	✓	No \square	NA \square	
							HNO3	
		space in the VOA vials?		Yes		No 📙	NA 🗸	
		es containers arrive in good c	ondition(unbroken)		✓	No 🗀		
14.	Does paperw	ork match bottle labels?		Yes	✓	No 🗀		
15.	Are matrices	correctly identified on Chain of	of Custody?	Yes	✓	No 🗌		
16.	Is it clear wha	at analyses were requested?		Yes	✓	No \square		
17.	Were all hold	ing times able to be met?		Yes	✓	No \square		
-		ing (if applicable)						
18.	Was client no	tified of all discrepancies with	this order?	Yes		No 🗌	NA 🗸	-1
	Person	Notified:	Da	ate				
	By Who	m:	Vi	a: 🗌 eMa	il 🗌 Ph	none 🗌 Fax	☐ In Person	
	Regardi	ng:						
	Client In	structions:						
19.	Additional ren	narks:						
	HNO3 a	dded to 009A, 010A, 012A, 0	13A					
ltem	Information							
		Item #	Temp ⁰C					
	Cooler		4.3					

2.8

Original

Sample

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

3600 Fremont Ave N.	
ont Ave N.	Fre
Tel: 206-352-3790	BO
352-3790 352-7178	

Chain of Custody Record and Laboratory Services Agreement

					Date: 3/	/4/2017	Laboratory Project No (Internal):	7
	Y. W. W. Y.							of 1
Seattle, WA 98103	Fax: 206-352-7178	352-7178			Konsowick sp. Dr.	Vanaguick CD Drinking Water - Canvon View Flamentage	Vious Elementors	ie 12
Client:	Fulcrum Environ	Fulcrum Environmental Consulting		Project No:	162017.27		Collected by:	Pa
Address:	406 North Second Street	and Street	16 14 17 15 15 15 15 15 15 15 15 15 15 15 15 15	Location:	Canyon View Ele	Canyon View Elementary, Kennewick, WA	s WA	
City, State, Zip:	Yakima, WA, 98901	8901		Report To (PM):	Ryan Mathews	\$40 P. 10 P.		
Telephone:	509.574.0839	Fax: 509	Fax: 509.575.8453	PM Email:	rmathews@efulcr	crum.net; cc:aenbysk@efulcrum.net	@efulcrum.net	
*Matrix Codes: A = Air,	AQ = Aqueous, B = Bulk,	O = Other, P = Product,	S = Soil, SD = Sediment, SL = S		DW = Drinking Water, GW =	= Ground Water, SW =	Ground Water, SW = Storm Water, WW = Waste Water	
			360 [54]	Re O STATE ON THE ON STATE ON	16. Ch. 13.	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	S. Aller	
Sample Name	S	Sample Sample Date Time (N	1.0	17	1	700%	Comments	19
1 CUE 3417 - P	p-KG-12 3	3/4/2017 GAVA	-	+			3/	1
2 ··· -P	P-0c-7							
3 " - P	8-20-B						<i>∀</i>	1
4 11 -4	61-000-19						×	1
5 " - P	-CP-20						V	
6 11 -P	-P-COF-26							i.a.
d- " -b	P-08-27						\(\sigma\)	
d- " 8	-012-53	986 Jan 1988 1988			4		X	
5	5-012-33						To D	2 -
T- 11 01	T-0F-35	•		100			5	
**Metals Analysis (Circle):	le): MTCA-5 RCRA-8	4-8 Priority Pollutants	s TAL Individual: Ag Al	As B Ba Be Ca Cd	Co Cr Cu Fe Hg K		공	
***Anions (Circle):	Nitrate Nitrite	Chloride Sulfate	Bromide O-Phosphate	Fluoride Nitra		received after 4:00pm will begin		
Sample Disposal:	Return to Client	Disposal by Lab assessed if sam	Disposal by Lab (Samples will be held for 30 days unless otherwise noted. A tee may be assessed if samples are retained after 30 days.)	unless otherwise noted. A		e following business day.	w. theserve all impreserves	
I represent that I am authorized to enter into this Agreement with Fremont agreement to each of the terms on the front and backside of this Agreement.	authorized to enter in he terms on the front	to this Agreement wit and backside of this A	I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have agreement to each of the terms on the front and backside of this Agreement.	alf of the Client name	d above, that I hav	ve verified Client's	TAT ASAP	
Kelinquished x	Date/Time	17 / W	Received ×	7	Date/Time 5/6/17	4540		
Relinquished	Date/Time	ne	Received		Date/Time		TAT → SameDay^ NextDay^ 2 Day 3 Day STD	

3600 Fremont Ave N.		
nt Ave N.	Fre	
Tel: 206-	Mo	
Tel: 206-352-3790		

Chain of Custody Record and Laboratory Services Agreement

	Matrix Codes: A = Air, AQ =	Telephone:	City, State, Zip:	Address:	Client:	3600 Fremont Ave N. Seattle, WA 98103	
	Matrix Codes: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water	509.574.0839 Fax: 509.575.8453	Yakima, WA, 98901	406 North Second Street	Fulcrum Environmental Consulting	Tel: 206-352-3790 Fax: 206-352-7178	Analytical
nis Cot	olid, W = Water, DW	PM Email:	Report To (PM):	Location:	Project No:	Project Name:	
\$ 100 m 100	= Drinking Water, GW = Ground Wat	rmathews@efulcrum.net; cc:a	Ryan Mathews	Canyon View Elementary, Kennewick, WA	162017.27	Kennewick SD Drinking Water - Canyon View Elementary	Date: 3/4/2017
	ter, SW = Storm Water, WW = Waste Water	.net; cc:aenbysk@efulcrum.net		nnewick, WA	Collected by:	Canyon View Elementary	tory Project
					P	age 13	1703045 of 17

reiepirolie.			
*Matrix Codes: A = Air, AQ = Aqueous, B =	Bulk, O=Other, P=P	Drinking water, SW	ei, ow - ouim water, www - waste water
		Senie (Senie)	
Sample Name	Sample Sample Date Time	Sample Self Carder Color	Comments
14-52-9-614EEND 1	17 0	×	X
2 " -S-C12-44	3/4/2		Pr Cd
3 11 -T-CD-44			Hld
CHOMM 10- 6 - 11 P		→ 10 mm = 10	***
8 - p-cl-48	÷	X	X
6			
7			
8	Sala Sistema Subjected		
9			
10			
**Metals Analysis (Circle): MTCA-5	RCRA-8 Priority Pollutants	utants TAL <i>Individual</i> : Ag Al As B Ba Be Ca Cd Co Cr Cy Fe Hg K Mg Mn Mo Na Ni	lo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn
***Anions (Circle): Nitrate Nitrite	Chloride Sulfate	ate Bromide O-Phosphate Fluoride Nitrate+Nitrite Turn-around times for samples	Special R
Sample Disposal: Return to Client		Disposal by Lab (Samples will be held for 30 days unless otherwise noted. A fee may be on the following business day. assessed if samples are retained after 30 days.)	iness day. Sta Page
I represent that I am authorized to enter into this Agreement with Fremont agreement to each of the terms on the front and backside of this Agreement.	er into this Agreemer	I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.	
Relinquished Date	Date/Time	Received MA 3/4 Pate/Time	- P
Relinquished Dat	Date/Time	Received Date/Time	TAT → SameDay^ NextDay^ 2 Day 3 Day STD

www.fremontanalytical.com

COC 1.1 - 4.5.16 - 1 of 2

APlease coordinate with the lab in advance			×					×
TAT → SameDay [^] NextDay [^] 2 Day 3 Day STD		Date/Time	Received			Date/Time		Relinquished
	4540	3/6/17	Received ()		[W	Date/Time 3/4/17	en	Relinquished x
TAT ASAP	I have verified Client's	ent named above, that	represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's preement to each of the terms on the front and backside of this Agreement.	I represent that I am authorized to enter into this Agreement with Fremont A percement to each of the terms on the front and backside of this Agreement.	this Agreeme d backside of	ed to enter into s on the front an	I am authoriz	I represent that
theserve with subject of the service	on the following business day.	se noted. A fee may be	Disposal by Lab (Samples will be held for 30 days unless otherwise noted. A ree may be assessed if samples are retained after 30 days.)	Disposal by Lab (Samples will be held for 30 day assessed if samples are retained after 30 days.)	Disposal assessed	Return to Client		Sample Disposal:
Special Remarks:	received after 4:00pm will begin	Nitrate+Nitrite	O-Phosphate Fluoride	Sulfate Bromide	Chloride Su	Nitrite Ch): Nitrate	***Anions (Circle):
Sb Se Sr Sn Ti Tl U V Zn	HB K MB Mn Mo Na Ni Pb	Be Ca Cd Co Cr Cu Fe	Individual: Ag Al As B Ba B	ollutants TAL	Priority Pollutants	CA-5 RCRA-8	s (Circle): MT	**Metals Analysis (Circle): MTCA-5
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Comments				Sample Type (Matrix)*	ole Sample	Sample Date		Sample Name
m Water, WW = Waste Water	*Matrix Codes: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water	er, DW = Drinking Water	= Sediment, SL = Solid, W = Wat	roduct, S=Soil, SD=	= Other, P = Pi	ous, B=Bulk, O	Air, AQ = Aque	Matrix Codes: A =
crum net	rmathews@efulcrum.net; cc:aenbysk@efulcrum.net		PM Email:	Fax: 509.575.8453	Fa	509.574.0839	505	Telephone:
	ews	o (PM): Ryan Mathews	Report To (PM):		1	Yakima, WA, 98901	Yal	City, State, Zip:
	Canyon View Elementary, Kennewick, WA	1	Location:		Street	406 North Second Street	400	Address:
Collected by:		lo: 162017.27	Project No:	ιά	ntal Consultin	Fulcrum Environmental Consulting	Ful	Client:
Bementary	Kennewick SD Drinking Water - Canyon View Elementary	ı	Project Name:		-7178	Fax: 206-352-7178	8103	Seattle, WA 98103
					3/30	161: 200-352-3790	AVE N.	3600 Fremont Ave N.

Chain of Custody Record and Laboratory Services Agreement Date: 3/4/2017 Page: of: 1703045

City, State, Zip:	Yakima, WA, 98901	, 98901				Report To (PM):	Ryan Mathews	WS			
Telephone:	509.574.0839		Fax: 5	Fax: 509.575.8453		PM Email:	mathews@	mathews@efulcrum.net; oc:aenbysk@efulcrum.net	enbysk@efulcn	um.net	
Matrix Codes: A = Air, AQ = Aqueous, B = Bulk,	Q = Aqueous, B = B		er, P = Produ	ıct, S = Soil,	SD = Sediment, SL = Sol	iid, W = Water, DW	= Drinking Water,	GW = Ground Wate	er, SW = Storm	O = Other, P = Product, S = Soil, SD = Sediment, SL = Soild, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water	
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(NE3417-P-CF-4)	F-42						X		×	x NB 3/6/17	
CVEZYD - S-CF - 42	15 - H2		_						7	Hold - NB 3/6/17	
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**Metals Analysis (Circle):	MTCA-5	RCRA-8 P	Priority Pollutants	ants TAL	Individual: Ag Al	As B Ba Be Ca (대 Co 다 (山) Fe	Cr (Gy) Fe Hg K Mg Mn Mo	Na Ni Pb	Sb Se Sr Sn Ti Tl U V Zn	
***Anions (Circle): N	Nitrate Nitrite	Chloride	Sulfate	e Bromide	de O-Phosphate	Fluoride Ni		Turn-around times for samples received after 4:00pm will begin		Special Remarks:	
Sample Disposal:	Return to Client	ä []	Disposal by I	ab (Samples v amples are re	Disposal by Lab (Samples will be held for 30 days unless otherwise noted. A ree may be assessed if samples are retained after 30 days.)	niess otherwise note	. A ree may be	on the following business day.	iness day.	Ste Page -	
I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.	authorized to ente he terms on the fr	r into this A	greement	with Fremo	nt Analytical on beha nt.	If of the Client and	ned above, that	have verified Cl	ient's		
Relinquished x	Date	Date/Time			Received	1	3/C/lime	7 085	P-6		
Relinquished	Date	Date/Time			Received	(Date/Time		Ta	TAT → SameDay^ NextDay^ 2 Day 3 Day STD	b
×					ж				2	*Please coordinate with the lab in advance	

PM Email: mathews@efulcrum.net_cc:aenbysk@efulcrum.net	509.574.0839 Fax: 509.575.8453	
Report To (PM): Ryan Mathews	Yakima, WA, 98901	
Location: Canyon View Elementary, Kennewick, WA	406 North Second Street	
Project No: 162017.27 Collected by:	Fulcrum Environmental Consulting	
Project Name: Kennewick SD Drinking Water - Canyon View Elementary	Fax: 206-352-7178	103
Page: of:	Tel: 206-352-3790	Ave N.
Date: 3/4/2017 Laboratory Project No (Internal): 1/0 3045	Analytical	
	remont	7

Client:

COC 1.1 - 4.5.16 - 1 of 2

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COC 1.1 - 4.5.16 - 1 of 2

^Please coordinate with the lab in advance			×					×
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TAT ASAP	have verified Client's	named above, that I I	I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's correspond to each of the terms on the front and backside of this Agreement.	it with Fremont As	s Agreemen	I represent that I am authorized to enter into this Agreement with Fremont represent to each of the terms on the front and backside of this Agreement.	I am authoriz	I represent that
Meselve was affected to	on the following business day.	ored. A ree may be on	Disposal by Lab (Samples will be held for 30 days unless otherwise noted. A rec may we assessed if samples are retained after 30 days.)	Disposal by Lab (Samples will be held for 30 days assessed if samples are retained after 30 days.)	Disposal b	Return to Client		Sample Disposal:
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b Sb Se Sr Sn Ti Tl U V Zn	FE HB K MB Mn Mo Na Ni Pb	Ca Cd Co Cr Cu Fe H	Individual: Ag Al As B Ba Be C	TAL	Priority Pollutants	MTCA-5 RCRA-8	s (Circle): MT	**Metals Analysis (Circle):
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Comments				Sample Type [Matrix]*	Sample	Sample		Sample Name
SW = Storm Water, WW = Waste Water	Water,		*Matrix Codes: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water,	duct, S=Soil, SD=S	ther, P=Pro	ous, B=Bulk, O=C	Air, AQ = Aque	Matrix Codes: A =
icrum net	mathews@efulcrum.net; oc:aenbysk@efulcrum.net	rmathews@efi	PM Email:	Fax: 509.575.8453	Fax:	509.574.0839	508	Telephone:
	5	M): Ryan Mathews	Report To (PM):			Yakima, WA, 98901	Yak	City, State, Zip:
	Canyon View Elementary, Kennewick, WA	Canyon View E	Location:		reet	406 North Second Street	406	Address:
Collected by:		162017.27	Project No:		Consulting	Fulcrum Environmental Consulting	Fulc	Client:
Elementary	Kennewick SD Drinking Water - Canyon View Elementary	1	Project Name:		90	Tel: 206-352-3790 Fax: 206-352-7178	Ave N. 8103	3600 Fremont Ave N. Seattle, WA 98103
tory Project	3/4/2017	Date:			6	Analytica		

Chain of Custody Record and Laboratory Services Agreement

Fremont

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COC 1.1 - 4.5.16 - 1 of 2

Client:	Fulcrum Environmental Consulting	nmental Cor	nsulting		Project No:	162017.27 Col	Collected by:
Address:	406 North Second Street	cond Street			Location:	Canyon View Elementary, Kennewick, WA	VA
City, State, Zip:	Yakima, WA, 98901	98901			Report To (PM):	M): Ryan Mathews	
Telephone:	509.574.0839		Fax: 50	Fax: 509.575.8453	PM Email:	mathews@efulcrum.net; cc:aenbysk@efulcrum.net	sfulcrum net
*Matrix Codes: A = Air, AQ = Aqueous, B = Bulk,	Q = Aqueous, B = Bu		O = Other, P = Product, S = Soil,	t, S = Soil, SD	SD = Sediment, SL = Solid, W = Water, I	DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water	torm Water, WW = Waste Water
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**Metals Analysis (Circle):	MTCA-5	RCRA-8 Pri	Priority Pollutants	nts TAL	Individual: Ag Al As B Ba Be Ca	Cd Co Cr Cy Fe Hg K Mg Mn Mo Na Ni	3
***Anions (Circle): N	Nitrate Nitrite	Chloride	Sulfate	Bromide	O-Phosphate Fluoride	Nitrate+Nitrite received after 4:00pm will begin	Special Remarks:
Sample Disposal:	Return to Client		isposal by La	b (Samples will mples are retain	Disposal by Lab (Samples will be held for 30 days unless otherwise noted. A ree may be assessed if samples are retained after 30 days.)	on the following business day.	See Page -
I represent that I am authorized to enter into this Agreement with Fremont surrement to each of the terms on the front and backside of this Agreement.	authorized to enter	into this Ag	reement w	ith Fremont Agreement	Analytical on behalf of the Client	I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's nerement to each of the terms on the front and backside of this Agreement.	
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Chain of Custody Record and Laboratory Services Agreement

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Date:	Custody
3/4/2017	Vecola qua
Laboratory Project No (internal)	Linain of Custody Record and Laboratory services Agreement
boratory Project No (Internal): 170 30 45	ICES Agreement

Seattle, WA 98103 3600 Fremont Ave N.

Tel: 206-352-3790 Fax: 206-352-7178

Project Name:

Kennewick SD Drinking Water - Canyon View Elementary