

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 - Tri Tech Skills Center Follow-Up Sampling

Work Order Number: 1701338

February 03, 2017

Attention Ryan Mathews:

Fremont Analytical, Inc. received 23 sample(s) on 1/30/2017 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

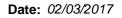
All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

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 - Tri Tech Skills Center Follo

Work Order: 1701338

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1701338-001	TTS12817-P-KF-05	01/28/2017 9:45 AM	01/30/2017 9:55 AM
1701338-002	TTS12817-S-KF-05	01/28/2017 9:45 AM	01/30/2017 9:55 AM
1701338-003	TTS12817-T-KF-05	01/28/2017 9:45 AM	01/30/2017 9:55 AM
1701338-004	TTS12817-P-DF-13	01/28/2017 9:45 AM	01/30/2017 9:55 AM
1701338-005	TTS12817-S-DF-13	01/28/2017 9:45 AM	01/30/2017 9:55 AM
1701338-006	TTS12817-T-DF-13	01/28/2017 9:45 AM	01/30/2017 9:55 AM
1701338-007	TTS12817-P-DF-15	01/28/2017 9:45 AM	01/30/2017 9:55 AM
1701338-008	TTS12817-S-DF-15	01/28/2017 9:45 AM	01/30/2017 9:55 AM
1701338-009	TTS12817-T-DF-15	01/28/2017 9:45 AM	01/30/2017 9:55 AM
1701338-010	TTS12817-P-KF-26	01/28/2017 9:45 AM	01/30/2017 9:55 AM
1701338-011	TTS12817-S-KF-26	01/28/2017 9:45 AM	01/30/2017 9:55 AM
1701338-012	TTS12817-T-KF-26	01/28/2017 9:45 AM	01/30/2017 9:55 AM
1701338-013	TTS12817-P-KF-27	01/28/2017 9:45 AM	01/30/2017 9:55 AM
1701338-014	TTS12817-S-KF-27	01/28/2017 9:45 AM	01/30/2017 9:55 AM
1701338-015	TTS12817-T-KF-27	01/28/2017 9:45 AM	01/30/2017 9:55 AM
1701338-016	TTS12817-P-KF-28	01/28/2017 9:45 AM	01/30/2017 9:55 AM
1701338-017	TTS12817-S-KF-28	01/28/2017 9:45 AM	01/30/2017 9:55 AM
1701338-018	TTS12817-T-KF-28	01/28/2017 9:45 AM	01/30/2017 9:55 AM
1701338-019	TTS12817-P-CF-34	01/28/2017 9:45 AM	01/30/2017 9:55 AM
1701338-020	TTS12817-S-CF-34	01/28/2017 9:45 AM	01/30/2017 9:55 AM
1701338-021	TTS12817-T-CF-34	01/28/2017 9:45 AM	01/30/2017 9:55 AM
1701338-022	TTS12817-P-CF-37	01/28/2017 9:45 AM	01/30/2017 9:55 AM
1701338-023	TTS12817-P-DF-38	01/28/2017 9:45 AM	01/30/2017 9:55 AM



Case Narrative

WO#: **1701338** Date: **2/3/2017**

CLIENT: Fulcrum Environmental

Project: Kennewick SD - Tri Tech Skills Center Follow-Up Sampling

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:

1701338-001A 204205: Prep Comments for EPA200.8, Sample 1701338-001A: Turbidiy: 0.09 NTU 1701338-004A 204209: Prep Comments for EPA200.8, Sample 1701338-004A: Turbidiy: 0.08 NTU 1701338-007A 204210: Prep Comments for EPA200.8, Sample 1701338-007A: Turbidiy: 0.04 NTU 1701338-010A 204211: Prep Comments for EPA200.8, Sample 1701338-010A: Turbidiy: 0.05 NTU 1701338-013A 204212: Prep Comments for EPA200.8, Sample 1701338-013A: Turbidiy: 0.11 NTU 1701338-016A 204213: Prep Comments for EPA200.8, Sample 1701338-016A: Turbidiy: 0.26 NTU 1701338-019A 204214: Prep Comments for EPA200.8, Sample 1701338-019A: Turbidiy: 0.15 NTU 1701338-022A 204215: Prep Comments for EPA200.8, Sample 1701338-022A: Turbidiy: 0.01 NTU 1701338-023A 204216: Prep Comments for EPA200.8, Sample 1701338-023A: Turbidiy: 0.01 NTU



Qualifiers & Acronyms

WO#: 1701338

Date Reported: 2/3/2017

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: **1701338**Date Reported: **2/3/2017**

CLIENT: Fulcrum Environmental

Project: Kennewick SD - Tri Tech Skills Center Follow-Up Sampling

Lab ID: 1701338-001 **Collection Date:** 1/28/2017 9:45:00 AM

Client Sample ID: TTS12817-P-KF-05 Matrix: Drinking Water

Analyses Result RL Qual Units DF Date Analyzed

Drinking Water Metals by EPA Method 200.8 Batch ID: 16072 Analyst: TN

Lead 11.3 1.00 μg/L 1 1/30/2017 8:23:08 PM

Lab ID: 1701338-004 **Collection Date:** 1/28/2017 9:45:00 AM

Client Sample ID: TTS12817-P-DF-13 Matrix: Drinking Water

Analyses Result RL Qual Units DF Date Analyzed

<u>Drinking Water Metals by EPA Method 200.8</u>
Batch ID: 16072 Analyst: TN

Copper 823 0.500 µg/L 1 1/30/2017 8:44:49 PM

Lab ID: 1701338-007 **Collection Date:** 1/28/2017 9:45:00 AM

Client Sample ID: TTS12817-P-DF-15 Matrix: Drinking Water

Analyses Result RL Qual Units DF Date Analyzed

<u>Drinking Water Metals by EPA Method 200.8</u>
Batch ID: 16072 Analyst: TN

Lead ND 1.00 μg/L 1 1/30/2017 8:48:27 PM



Work Order: 1701338

Date Reported: 2/3/2017

CLIENT: Fulcrum Environmental

Project: Kennewick SD - Tri Tech Skills Center Follow-Up Sampling

Lab ID: 1701338-010 **Collection Date:** 1/28/2017 9:45:00 AM

Client Sample ID: TTS12817-P-KF-26 Matrix: Drinking Water

Analyses Result RL Qual Units DF Date Analyzed

Drinking Water Metals by EPA Method 200.8 Batch ID: 16072 Analyst: TN

Lead 13.2 1.00 μg/L 1 1/30/2017 8:52:04 PM

Lab ID: 1701338-011 **Collection Date:** 1/28/2017 9:45:00 AM

Client Sample ID: TTS12817-S-KF-26 Matrix: Drinking Water

Analyses Result RL Qual Units DF Date Analyzed

Drinking Water Metals by EPA Method 200.8 Batch ID: 16116 Analyst: TN

Lead 5.55 1.00 µg/L 1 2/2/2017 9:20:30 PM

Lab ID: 1701338-012 **Collection Date:** 1/28/2017 9:45:00 AM

Client Sample ID: TTS12817-T-KF-26 Matrix: Drinking Water

Analyses Result RL Qual Units DF Date Analyzed

<u>Drinking Water Metals by EPA Method 200.8</u>
Batch ID: 16116
Analyst: TN

Lead 1.31 1.00 µg/L 1 2/2/2017 9:24:06 PM



Drinking Water Metals by EPA Method 200.8

Analytical Report

Work Order: 1701338

Batch ID: 16116

µg/L

Date Reported: 2/3/2017

Analyst: TN

2/2/2017 9:27:43 PM

CLIENT: Fulcrum Environmental

Project: Kennewick SD - Tri Tech Skills Center Follow-Up Sampling

Lab ID: 1701338-013 **Collection Date:** 1/28/2017 9:45:00 AM

Client Sample ID: TTS12817-P-KF-27 Matrix: Drinking Water

Analyses Result RL Qual Units DF Date Analyzed

Drinking Water Metals by EPA Method 200.8 Batch ID: 16072 Analyst: TN

Lead 21.0 1.00 μg/L 1 1/30/2017 8:55:40 PM

Lab ID: 1701338-014 **Collection Date:** 1/28/2017 9:45:00 AM

Client Sample ID: TTS12817-S-KF-27 Matrix: Drinking Water

11.2

Analyses Result RL Qual Units DF Date Analyzed

1.00

Lab ID: 1701338-016 **Collection Date:** 1/28/2017 9:45:00 AM

Client Sample ID: TTS12817-P-KF-28 Matrix: Drinking Water

Analyses Result RL Qual Units DF Date Analyzed

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

Batch ID: 16072

Analyst: TN

Lead 24.6 1.00 μg/L 1 1/30/2017 8:59:16 PM

Lead



Work Order: 1701338

Date Reported: 2/3/2017

CLIENT: Fulcrum Environmental

Project: Kennewick SD - Tri Tech Skills Center Follow-Up Sampling

Lab ID: 1701338-017 **Collection Date:** 1/28/2017 9:45:00 AM

Client Sample ID: TTS12817-S-KF-28 Matrix: Drinking Water

Analyses Result RL Qual Units DF Date Analyzed

Drinking Water Metals by EPA Method 200.8 Batch ID: 16116 Analyst: TN

Lead 36.6 1.00 µg/L 1 2/2/2017 9:31:19 PM

Lab ID: 1701338-018 **Collection Date:** 1/28/2017 9:45:00 AM

Client Sample ID: TTS12817-T-KF-28 Matrix: Drinking Water

Analyses Result RL Qual Units DF Date Analyzed

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

Batch ID: 16116

Analyst: TN

Lead ND 1.00 μg/L 1 2/2/2017 9:34:55 PM

Lab ID: 1701338-019 **Collection Date:** 1/28/2017 9:45:00 AM

Client Sample ID: TTS12817-P-CF-34 Matrix: Drinking Water

Analyses Result RL Qual Units DF Date Analyzed

<u>Drinking Water Metals by EPA Method 200.8</u>
Batch ID: 16072 Analyst: TN

Lead 55.9 1.00 μg/L 1 1/30/2017 9:02:53 PM



Work Order: 1701338

Date Reported: 2/3/2017

CLIENT: Fulcrum Environmental

Project: Kennewick SD - Tri Tech Skills Center Follow-Up Sampling

Lab ID: 1701338-020 **Collection Date:** 1/28/2017 9:45:00 AM

Client Sample ID: TTS12817-S-CF-34 Matrix: Drinking Water

Analyses Result RL Qual Units DF Date Analyzed

Drinking Water Metals by EPA Method 200.8 Batch ID: 16116 Analyst: TN

Lead 44.8 1.00 µg/L 1 2/2/2017 9:38:32 PM

Lab ID: 1701338-021 **Collection Date:** 1/28/2017 9:45:00 AM

Client Sample ID: TTS12817-T-CF-34 Matrix: Drinking Water

Analyses Result RL Qual Units DF Date Analyzed

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

Batch ID: 16116

Analyst: TN

Lead 2.25 1.00 μg/L 1 2/2/2017 9:42:08 PM

Lab ID: 1701338-022 **Collection Date:** 1/28/2017 9:45:00 AM

Client Sample ID: TTS12817-P-CF-37 Matrix: Drinking Water

Analyses Result RL Qual Units DF Date Analyzed

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

Batch ID: 16072

Analyst: TN

Copper ND 0.500 μg/L 1 1/30/2017 9:06:29 PM Lead ND 1.00 μg/L 1 1/30/2017 9:06:29 PM



Work Order: 1701338

Date Reported: 2/3/2017

Analyst: TN

CLIENT: Fulcrum Environmental

Kennewick SD - Tri Tech Skills Center Follow-Up Sampling **Project:**

Collection Date: 1/28/2017 9:45:00 AM Lab ID: 1701338-023

Client Sample ID: TTS12817-P-DF-38 Matrix: Drinking Water

Analyses Result **RL Qual** Units DF **Date Analyzed**

Drinking Water Metals by EPA Method 200.8

1,280 1/30/2017 9:10:06 PM 0.500 μg/L 1

Batch ID: 16072

Copper Lead 16.2 1.00 μg/L 1/30/2017 9:10:06 PM

Date: 2/3/2017



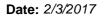
Work Order: 1701338

QC SUMMARY REPORT

CLIENT: Fulcrum Environmental

Project:	Kennewick	SD - Tri Tech Skills Co	enter Foll	0				Drinkin	g Water Me	tals by EF	PA Metho	d 200.8
Sample ID:	MB-16116	SampType: MBLK			Units: µg/L		Prep Date	e: 2/2/201	7	RunNo: 342	242	
Client ID:	MBLKW	Batch ID: 16116					Analysis Date	e: 2/2/201	7	SeqNo: 652	2929	
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		ND	1.00									
Sample ID:	LCS-16116	SampType: LCS			Units: µg/L		Prep Date	e: 2/2/201	7	RunNo: 342	242	
Client ID:	LCSW	Batch ID: 16116					Analysis Date	e: 2/2/201	7	SeqNo: 652	2930	
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		47.3	1.00	50.00	0	94.7	85	115				
Sample ID:	1701233-016ADUP	SampType: DUP			Units: µg/L		Prep Date	e: 2/2/201	7	RunNo: 342	242	
Client ID:	BATCH	Batch ID: 16116					Analysis Date	e: 2/2/201	7	SeqNo: 652	2932	
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		ND	1.00						0		30	
Sample ID:	1701233-016AMS	SampType: MS			Units: µg/L		Prep Date	e: 2/2/201	7	RunNo: 342	242	
Client ID:	BATCH	Batch ID: 16116					Analysis Date	e: 2/2/201	7	SeqNo: 652	2933	
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		85.5	1.00	100.0	0.2482	85.3	70	130				
Sample ID:	1701233-016AMSD	SampType: MSD			Units: µg/L		Prep Date	e: 2/2/201	7	RunNo: 342	242	
Client ID:	ВАТСН	Batch ID: 16116					Analysis Date	e: 2/2/201	7	SeqNo: 652	2934	
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		88.6	1.00	100.0	0.2482	88.3	70	130	85.51	3.53	30	

Page 11 of 20 Revision v1





Work Order: 1701338

QC SUMMARY REPORT

CLIENT: Fulcrum Environmental

Project: Kennewick	SD - Tri Tech Skills C	enter Fol	lo				Drinkin	g Water Me	tals by EF	PA Metho	d 200.8
Sample ID: MB-16072	SampType: MBLK			Units: µg/L		Prep Dat	te: 1/30/2 0)17	RunNo: 34	163	
Client ID: MBLKW	Batch ID: 16072					Analysis Dat	te: 1/30/2 0)17	SeqNo: 650	0554	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper Lead	ND ND	0.500 1.00									
Sample ID: LCS-16072	SampType: LCS			Units: µg/L		Prep Dat	te: 1/30/2 0)17	RunNo: 34	163	
Client ID: LCSW	Batch ID: 16072					Analysis Dat	te: 1/30/2 0)17	SeqNo: 650	0555	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	99.9	0.500	100.0	0	99.9	85	115				
Lead	53.4	1.00	50.00	0	107	85	115				
Sample ID: 1701338-001ADUP	SampType: DUP			Units: µg/L		Prep Dat	te: 1/30/2 0)17	RunNo: 34	163	
Client ID: TTS12817-P-KF-05	Batch ID: 16072					Analysis Dat	te: 1/30/2 0)17	SeqNo: 650	0557	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	207	0.500						211.6	2.01	30	
Lead	11.6	1.00						11.30	2.83	30	
Sample ID: 1701338-001AMS	SampType: MS			Units: µg/L		Prep Dat	te: 1/30/20)17	RunNo: 34	163	
Client ID: TTS12817-P-KF-05	Batch ID: 16072					Analysis Dat	te: 1/30/2 0)17	SeqNo: 650	0563	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	420	0.500	200.0	211.6	104	70	130				
Lead	113	1.00	100.0	11.30	101	70	130				
Sample ID: 1701338-001AMSD	SampType: MSD			Units: µg/L		Prep Dat	te: 1/30/2 0)17	RunNo: 34	163	
Client ID: TTS12817-P-KF-05	Batch ID: 16072					Analysis Dat	te: 1/30/2 0)17	SeqNo: 650	0565	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	400	0.500	200.0	211.6	94.3	70	130	419.8	4.81	30	

Page 12 of 20 Revision v1

Date: 2/3/2017



Work Order: 1701338

QC SUMMARY REPORT

CLIENT: Fulcrum Environmental

Drinking Water Metals by EPA Method 200.8

Project: Kennewick SD - Tri Tech Skills Center Follo

Sample ID: 1701338-001AMSD	SampType: MSD			Units: µg/L		Prep Da	te: 1/30/20	17	RunNo: 341	63	
Client ID: TTS12817-P-KF-05	Batch ID: 16072					Analysis Da	te: 1/30/20	17	SeqNo: 650	565	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	117	1.00	100.0	11.30	106	70	130	112.7	4.07	30	

Revision v1 Page 13 of 20



Sample Log-In Check List

CI	ient Name:	FE		Work O	rder Numl	ber: 1701338		
Lo	ogged by:	Erica Silva		Date Re	ceived:	1/30/2017	9:55:00 AM	
<u>Cha</u>	in of Custo	<u>ody</u>						
1.	Is Chain of C	ustody complete?		Yes		No 🗸	Not Present	
2.	How was the	sample delivered?		<u>FedE</u>	<u>x</u>			
<u>Log</u>	<u>' In</u>							
3.	Coolers are p	present?		Yes	✓	No 🗌	NA 🗆	
4.	Shipping con	tainer/cooler in good condition	on?	Yes	✓	No \square		
5.		ls present on shipping containments for Custody Seals no		Yes		No 🗸	Not Required	
6.	Was an atten	npt made to cool the sample	s?	Yes	✓	No 🗌	na 🗆	
7.	Were all item	s received at a temperature	of >0°C to 10.0°C*	Yes	✓	No 🗌	NA 🗆	
8.	Sample(s) in	proper container(s)?		Yes	✓	No \square		
9.	Sufficient san	mple volume for indicated tes	st(s)?	Yes	✓	No \square		
10.	Are samples	properly preserved?		Yes	✓	No \square		
11.	Was preserva	ative added to bottles?		Yes	✓	No 🗌	NA 🗌 HNO3	
12.	Is there head	space in the VOA vials?		Yes		No \square	NA 🗹	
13.	Did all sample	es containers arrive in good	condition(unbroken)?	Yes	✓	No 🗌		
14.	Does paperw	ork match bottle labels?		Yes	✓	No \square		
15.	Are matrices	correctly identified on Chain	of Custody?	Yes	•	No \square		
16.	Is it clear wha	at analyses were requested?		Yes	✓	No 🗌		
17.	Were all hold	ling times able to be met?		Yes	✓	No \square		
<u>Spe</u>	cial Handl	ing (if applicable)						
18.	Was client no	otified of all discrepancies wi	h this order?	Yes		No 🗆	NA 🗹	7
	Person	Notified:	Dat	te:				
	By Who	m:	Via	: eMa	il 🗌 Ph	one Fax	In Person	
	Regardi	ng:						
	Client In	nstructions:						
19.	Additional rer	marks:						_
		id not relinquish chain of cus added to: 002A, 003A, 005A,	•	11A, 012A, (014A, 015	5A, 017A, 018A,	020A, 021A	
ltem	Information	,	. ,	,	•	. ,		
		Item #	Temp °C					
	Cooler		7.6					
	Sample		0.4					

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

3600 Fremont Ave N.		
mont Av		
N.	P	
Tel:	3	
Tel: 206-352-3790	9	
-3790		

Chain of Custody Record and Laboratory Services Agreement

TAT → SameDay^ NextDay^ 2 Day 3 Day STD	Date/Time	< - Us	Received		Date/Time	Relinquished
	17)			×
ナイナ・ナイナ	Date/Time		Received	The second second second	Date/Time	Relinquished
	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.	n behalf of the Client named	ith Fremont Analytical of Agreement.	this Agreement wi d backside of this	horized to enter into terms on the front an	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.
Please presence all impresent from the	on the following business day.	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 days.) assessed if samples are retained after 30 days.)	Disposal by La assessed if sa	Return to Client	Sample Disposal:
	Nitrate+Nitrite Turn-around times for samples received after 4:00pm will begin	sphate Fluoride Nitrate	Bromide O-Phosphate	Chloride Sulfate	Nitrite	***Anions (Circle): Nitrate
Ti TI U V Zn	Co Cr @ Fe Hg K Mg Mn Mo Na Ni 6	Ag Al As B Ba Be Ca Cd	nts TAL Individual:	Priority Pollutants	MTCA-5 RCRA-8	**Metals Analysis (Circle):
HNO3 pes; analyse to only	⊗		<	-	KF 26 4	1512812-8-KF26
					7-15	75-10-T-418615T
HOLD, impr.					5-15	7513817-S-DF-15
HNOzpressed, grayteter booky				- 4	25	7512817-8-0F-15
The second secon					P-13	17512877-T-DF-13
town, unpr.					DF-13	T/512817-5-08-13
# No zorsened; analyze to Cucyly					DF-13	17512617-P-0F-13
<					P-06	7517817-1-46-06
HOLD; unpr.				-	F-05	77513817-5-KP-05
HNOZ presend; analyze to Poorly	10		DW	1/28/2017 0945		TTS13817-P-VF-05
Comments	PAIS 10 9 8 7 8 10 1 10 10 10 10 10 10 10 10 10 10 10 1	Section to the Committee of the Committe	Sample Sa	Sample Time	Sample Date	Sample Name
torm Water, WW = Waste Water	P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water	, SL = Solid, W = Water, DW = C	ct, S = Soil, SD = Sediment	O = Other, P = Produ		*Matrix Codes: A = Air, AQ = Aqueous, B = Bulk,
sfulcrum.net	rmathews@efulcrum.net; cc: aenbysk@efulcrum.net	PM Email:	Fax: 509.545.8453	Fax: 5	509.574.0839	Telephone:
eding to distribute the man weeks from makes for the both the man	Ryan Mathews	Report To (PM):	9 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A	1	Yakima, WA 98901	City, State, Zip:
	Tri Tech Skills Center, Kennewick, WA	Location:		Street	406 North Second Street	Address:
Embysk	162017 Colle	Project No:		ental Consulting	Fulcrum Environmental Consulting	Client:
Page:	Kennewick SD - Tri Tech Skills Center	Project Name:		-3790 2-7178	Tel: 206-352-3790 Fax: 206-352-7178	3600 Fremont Ave N. Seattle, WA 98103
Laboratory Project No (internal): 170 1338	Date: 1/28/2017	The control of the co			remor	

				Chain o	f Custody	Record and La	Chain of Custody Record and Laboratory Services Agreement
	remo					1/28/2017	Inharaton Brainst No (internal). 1701228
3600 Fremont Ave N.	Tel: 206-352-3790	52-3790					A CONTRACT CONTRACTOR OF THE STORY
Seattle, WA 98103		52-7178		Project Name:		Kennewick SD - Tri Tech Skills Center Follow-Up Sampling	r Follow-Up Sampling
Client:	Fulcrum Enviror	Fulcrum Environmental Consulting	<u>8</u>	Project No:		162017 Coll	CARK.
Address:	406 North Second Street	nd Street	CALL STE SALE	Location:	¥	Tri Tech Skills Center, Kennewick, WA	
City, State, Zip:	Yakima, WA 98901	901	431 00 00 00 00	Report	Report To (PM): Ryan Mathews	news	
Telephone:	509.574.0839	Fax	Fax: 509.545.8453	PM Email:		rmathews@efulcrum.net; cc: aenbysk@efulcrum.net	efulcrum.net
*Matrix Codes: A = Air, AC	AQ = Aqueous, B = Bulk,	O = Other, P = Product,	duct, S = Soil, SD = Sediment,	SL = Solid,	ater, DW = Drinking Water,		GW = Ground Water, SW = Storm Water, WW = Waste Water
Sample Name	Sam	Sample Date Time	Sample Type (Matrix)*	Secure Parker Control of Secure Parker Parker Control of Secure Parker Parke	14,5 (24,5) (80 0) (14,50) 26,5 (25,5) (25,5) (25,5) 146,6 (25,5) (26,5) (25,5)	Note to see to the second seco	Comments
ap-14-5-41861522		1/28/2017 0946	DW				HOLD; unpr.
ているりましてしてしるか	KF-26						
46-17-4-41861594	45-24				⊗		tives pres; crabye for Phonly
75-37-S-4186137T	£6-37		8 2				HOLD; Lungor
7512817 T-KF-27	#-77						*
36-71-9-418613TT	KF-28				⊗		Hards gres; analyze for Phonly
TS-7181127	KF-78						HOLD, ungr.
BE-14-I-+18E151	BE-34						~
75-72-4-4185137A	-CF-34				8		HNO3 pres, onely telor Po only
48-42-8-418K1077	CF-24	4	4		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		ttowo; unpor.
**Metals Analysis (Circle):): MTCA-5 RCRA-8	-8 Priority Pollutants	tants TAL	Individual: Ag Al As B Ba	Be Ca Cd Co Cr (Cu)Fe	e Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti	PB Sb Se Sr Sn Ti TI U V Zn
***Anions (Circle): Nit	Nitrate Nitrite	Chloride Sulfate	te Bromide	O-Phosphate Fluoride	Nitrate+Nitrite	Turn-around times for samples received after 4:00pm will begin	10
Sample Disposal:	Return to Client	Disposal b assessed if	Disposal by Lab (Samples will be held for 30 day assessed if samples are retained after 30 days.)	Disposal by Lab (Samples will be held for 30 days unless otherwise noted. A fee may be assessed if samples are retained after 30 days.)	vise noted. A fee may be	on the following business day.	Please preserve all unpreserved simples
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.	uthorized to enter int e terms on the front :	to this Agreement and backside of th	with Fremont Anis Agreement.	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 greement to each of the terms on the front and backside of this Agreement.	ent named above, that	I have verified Client's	
Relinquished x	Date/Time	ne		Received x	Date/Time	73717	TAT: ASA
Relinquished	Date/Time	ne		Received	Date/Time	1292	¶AT → SameDay^ NextDay^ 2 Day 3 Day STD
×				×			

Page 16 of 20

Fulcru	3600 Fremont Ave N. T. Seattle, WA 98103 F.	Frem
Fulcrum Environmental Consulting	Tel: 206-352-3790 Fax: 206-352-7178	10nt

Chain of Custody Record and Laboratory Services Agreement

	IMI 7 Salliebay: Nextbay: 2 bay 3 bay 310	Dave/ IIIIc		×	/ Ilme	Date/Ilme	Kelinquished
	-	-		Bosowad	Timo		
	TAT: ASAF	Pate/lime 2017 0953		Received	Time	Date/Time	Relinquished x
		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.	alf of the Client name	Fremont Analytical on beh	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.	am authorized to enter of the terms on the fro	I represent that I agreement to each
8	Plase greature all impresented swift -	on the following business day.	s unless otherwise noted	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 (assessed if samp	Return to Client	Sample Disposal:
5	Special Remarks:	Nitrate+Nitrite	Fluoride Nitr	Bromide O-Phosphate	Chloride Sulfate	Nitrate Nitrite	***Anions (Circle):
/	Pb Sb Se Sr Sn Ti Tl U V Zn	Co Cr Cu Fe	Al As B Ba Be Ca Cd	TAL Individual: Ag	RCRA-8 Priority Pollutants	MTCA-5	**Metals Analysis (Circle):
					10 m 15 m		obsession of the second
1							March III Early Safety with
*				200	a di di		
					8		
						20 10 10 10 10 10 10 10 10 10 10 10 10 10	/
	HNOzgos; analyze for Pb and Cu	8			+	P-DF-38	TTS12817-P-DF-38
	HUBS pres; analyze to Pb and Cu	8				7512817-P-CF-37	-418C1511
	HOLD, unpr.	T. W.	_	DW	1/28/2017 CQ45	T-CF-34	7512817-T-CF-34
	Comments	\$\frac{1}{2}\left\{\frac{1}\left\{\frac{1}{2}\left\{\frac{1}{2}\left\{\frac{1}{2}\left\{\frac{1}{2}\left\{\frac{1}{2}\left\{\frac{1}{2}\left\{\frac{1}{2}\left\{\frac{1}{2}\left\{\frac{1}{2}\left\{\frac{1}\left\{\frac{1}\left\{\frac{1}\left\{\frac{1}\left\{\frac{1}\left\{\frac{1}\le	STORY STATE OF THE	Sample Styles St	Sample Time (Ma	S	Sample Name
	= Ground Water, SW = Storm Water, WW = Waste Water	ing Water, GW	SL = Solid, W = Water, DW =	S = Soil, SD = Sediment, SL =	O = Other, P = Product,	ir, AQ = Aqueous, B = Bulk,	*Matrix Codes: A = Air,
	fulcrum.net	rmathews@efulcrum.net; cc: aenbysk@efulcrum.net	PM Email:	545.8453	9 Fax: 509.545.8453	509.574.0839	Telephone:
		Ryan Mathews	Report To (PM):		98901	Yakima, WA 98901	City, State, Zip:
		Tri Tech Skills Center, Kennewick, WA	Location:		cond Street	406 North Second Street	Address:
D	Collected by: Umanda Entry &	162017 Colle	Project No:		Fulcrum Environmental Consulting	Fulcrum Envi	Client:
aga 1	Follow-Up Sampling	Kennewick SD - Tri Tech Skills Center Follow-Up Sampling	Project Name:		Fax: 206-352-7178		Seattle, WA 98103
7.0	Page: S of: S				Tel: 206-352-3790		3600 Fremont Ave N.
f 20	oje	Date: 1/28/2017			valcal		

	-	してころ							<
	TAT → SameDay [^] NextDay [^] 2 Day 3 Day STD	Date/Time	ーリン	Received			Date/Time	D	Relinquished
	[4] :3(S)								×
	ナイナ、ナイカ	Date/Time		Received			Date/Time	D	Relinquished
					s Agreement.	backside of thi	front and	of the terms on the	agreement to each of the terms on the front and backside of this Agreement.
		l above, that I have verified Client's	I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have	Analytical on beha	vith Fremont	is Agreement v	ter into th	ım authorized to en	I represent that I a
	The product of the second	on the following business day.		assessed if samples are retained after 30 days.)	samples are reta	assessed if	lient [Return to Client	Sample Disposal:
		-	Suitate Bromide O-Phosphate Fluoride Nitrate+Nitrite	U-Phosphate	lah (Samples wi		Chloride	Nitrate Nitrite	***Anions (Circle):
	Special Remarks:	Turn-around times for samples	Nitro		1	Culfor.			***Aniona (Cindo).
	TI U V Zn	Co Cr 🕫 Fe Hg K Mg Mn Mo Na Ni	As B Ba Be Ca Cd	Individual: Ag Al	ants TAL	Priority Pollutants	RCRA-8	Circle): MTCA-5	**Metals Analysis (Circle): MTCA-5
	+ND3 pes; analyze to 10 only	<u> </u>			(2	4	P-KF de	1513612-8-KF
								7-05-15	T513817-705-15
	TOD, mp.							0-DF-15	TK513817-5-15-15
	6	6						10170	1151201-11-10C-15
	HOO - I was to the short	⊗						-ne 1k	Thomas of
	*							T-0F-13	TS13847-T-DF-13
	town, unpr.							5-08-13	TT512817-5-0F-13
3	4 NO a greened; avolute to Cucosly	<i>≫</i>						P-0F-13	47512617-P-0F-13
	*							T-KF-06	7512817-T-KF
	HOLD; unpr.					_		S-KP-05	50-27-5-41ge1577
1	HNO3 presend, analyze to Poorly	0	-		DW	017 845	1/28/2017	P-47-05	4513817-P-4-05
	Comments	\$\frac{\chi_{\text{3}}\chi_{\text{3}	\$\\ \begin{align*} \b	Solitor Solito	Sample Type (Matrix)*	Sample Time	Sample Date		Sample Name
	SW = Storm Water, WW = Waste Water	ing Water, GW = Ground Water,	W = Water,	SD = Sediment, SL = Solid,	S = Soil,	O = Other, P = Product,	B = Bulk, O=	AQ = Aqueous,	*Matrix Codes: A = Air,
	ifulcrum.net	rmathews@efulcrum.net; cc: aenbysk@efulcrum.net	PM Email:		Fax: 509.545.8453	Fax:	1839	509.574.0839	Telephone:
		Ryan Mathews	Report To (PM):				/A 98901	Yakima, WA 98901	City, State, Zip:
		Tri Tech Skills Center, Kennewick, WA	Location:			treet	406 North Second Street	406 North	Address:
Pá	Collected by: america Entry K		Project No:		Uq	Fulcrum Environmental Consulting	nvironme	Fulcrum E	Client:
ge ´ Pag	Tri Tech Skills Center Follow-Up Sampling	Kennewick SD - Tri Tech Skills Cente	Project Name:			7178	Fax: 206-352-7178		Seattle, WA 98103
	Page: of:					1790	Tel: 206-352-3790		3600 Fremont Ave N.
13 3 of 2	Laboratory Project No (internal): 170 1338	Date: 1/28/2017					C	Ama	
THE RESERVE OF THE PERSON.	ord and Laboratory Services Agreement	stody Record and La	Chain of Custody Rec	C					
			THE PERSON AND PROPERTY OF THE PERSON AND PE						

www.fremontanalytical.com

	ANI -> SameDay" NextDay" 2 Day 3 Day 3 D	25 C	e c	×	Date/IIIIe	ed	x
	TAT A COMPONING NOVEDOWN 2 Day CTD	Date/Time	ed.	Receiv	Data/Time		Dolinguich
	上述: 表表	Date/lime 5	ed	×	Date/lime	ēd	Relinquished
				his Agreement.	he front and backside of t	agreement to each of the terms on the front and backside of this Agreement.	agreemen
	1	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	al on behalf of the Client name	t with Fremont Analytic	enter into this Agreemen	ent that I am authorized to	I represe
	Please preserve all unpreserved semples		Disposal by Lab (Samples will be held for 30 days unless otherwise noted. A fee may be 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.		sposal: Return to Client	Sample Disposal:
	Special Remarks:	Nitrate+Nitrite Turn-around times for samples	O-Phosphate Fluoride Nitr	ate Bromide O-F	Nitrite Chloride Sulfate	Nitrate	***Anions (Circle):
	B) Sb Se Sr Sn Ti TI U V Zn	d Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr	ual: Ag Al As B Ba Be Ca Cd	utants TAL Individual:	RCRA-8 Priority Pollutants	**Metals Analysis (Circle): MTCA-5	**Metals /
72/17	Evalyte to Bay 42	8		<	4	57612812-S-CF-34	1761
2	thus pres, analyte to the only	>				312817-2-CF-36	1551
41/210	analyze for 16 only like	8			O	BE-27-1-218C121	17512
41/2/2	Co Pb only We	8				RS12617-5-KF-78	RSIZ
2/2/1						(7513617-18-KF-28	TT512
						7512817-T-KF-27	77517
m 12/17	HOO tree Couly be for to only We	(3)				46-37-S-+180191	77617
1	tives pres; crabyre to Phonly	⊗				17512817-8-KF-27	4517
41/6	Craybety (bary ()	8			-	けらってナートにろとっとか	F1213
42/17	(3	C,		DW	1/28/2017 0946	PTS12812-5-4F-24	4451
	Comments	\$\\ \text{Co}_1 \text{Co}_2 \text{Co}_1 \text{Co}_2 \text{Co}_1 \text{Co}_2 \t		Sample Sa	Sample Date Time	Name	Sample Name
	SW = Storm Water, WW = Waste Water	ing Water, GW = Ground Water,	SD = Sediment, SL = Solid, W = Water, DW	P = Product, S = Soil, SD = Sedim	0 = Other,	*Matrix Codes: A = Air, AQ = Aqueous, B = Bulk,	*Matrix Cod
	fulcrum.net	rmathews@efulcrum.net; cc: aenbysk@efulcrum.net	PM Email:	Fax: 509.545.8453		one: 509.574.0839	Telephone:
		Ryan Mathews	Report To (PM):		Yakima, WA 98901		City, State, Zip:
	,	Tri Tech Skills Center, Kennewick, WA	Location:		406 North Second Street		Address:
	CARR	162017 Colle	Project No:	ing	Fulcrum Environmental Consulting	Fulcrun	Client:
Pag	age	Kennewick SD - Tri Tech Skills Center Follow-Up Sampling	Project Name:		Fax: 206-352-7178	Seattle, WA 98103 Fa	Seattle,
je 19					Tel: 206-352-3790	3600 Fremont Ave N. Te	3600 Fr
9 of 2	iii 1701338 of 13	Date: 1/28/2017			alytical		
20	Chain of Custody Record and Laboratory Services Agreement	stody Record and Lal	Chain of Cu		Ont.	Fremon	

thought to Pb

73

Fremont

Chain of Custody Record and Laboratory Services Agreement

Page 20 of 20