



Fremont
Analytical

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Seattle, WA 98103
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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)

Original

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CLIENT: Fulcrum Environmental
Project: Kennewick SD Drinking Water - Canyon Vie
Work Order: 1703045

Work Order Sample Summary

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

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: 0.17 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: 0.15 NTU
1703045-015A 209819: Prep Comments for EPA200.8, Sample 1703045-015A: Turbidity: 0.00 NTU

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



Analytical Report

Work Order: 1703045
Date Reported: 3/13/2017

CLIENT: Fulcrum Environmental
Project: Kennewick SD Drinking Water - Canyon View Elementary

Lab ID: 1703045-001
Client Sample ID: CVE3417-P-KF-02
Collection Date: 3/4/2017 9:00:00 AM
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
Client Sample ID: CVE3417-P-WC-7
Collection Date: 3/4/2017 9:00:00 AM
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		µg/L	1	3/10/2017 8:58:27 PM

Lab ID: 1703045-003
Client Sample ID: CVE3417-P-WC-8
Collection Date: 3/4/2017 9:00:00 AM
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

Client Sample ID: CVE3417-P-CDF-19

Collection Date: 3/4/2017 9:00:00 AM

Matrix: Drinking Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Drinking Water Metals by EPA Method 200.8

Batch ID: 16430

Analyst: TN

Copper	714	0.500		µg/L	1	3/10/2017 9:06:31 PM
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Lab ID: 1703045-005

Client Sample ID: CVE3417-P-CF-20

Collection Date: 3/4/2017 9:00:00 AM

Matrix: Drinking Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Drinking Water Metals by EPA Method 200.8

Batch ID: 16430

Analyst: TN

Copper	1,050	0.500		µg/L	1	3/10/2017 9:10:33 PM
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Lab ID: 1703045-006

Client Sample ID: CVE3417-P-CDF-26

Collection Date: 3/4/2017 9:00:00 AM

Matrix: Drinking Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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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
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Analytical Report

Work Order: 1703045

Date Reported: 3/13/2017

CLIENT: Fulcrum Environmental

Project: Kennewick SD Drinking Water - Canyon View Elementary

Lab ID: 1703045-007

Client Sample ID: CVE3417-P-OF-27

Collection Date: 3/4/2017 9:00:00 AM

Matrix: Drinking Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Drinking Water Metals by EPA Method 200.8

Batch ID: 16430

Analyst: TN

Copper	1,500	0.500		µg/L	1	3/10/2017 9:18:36 PM
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Lab ID: 1703045-008

Client Sample ID: CVE3417-P-OF-33

Collection Date: 3/4/2017 9:00:00 AM

Matrix: Drinking Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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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
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Lab ID: 1703045-011

Client Sample ID: CVE3417-P-CF-44

Collection Date: 3/4/2017 9:00:00 AM

Matrix: Drinking Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Drinking Water Metals by EPA Method 200.8

Batch ID: 16430

Analyst: TN

Copper	825	0.500		µg/L	1	3/10/2017 9:26:40 PM
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Work Order: 1703045

Date Reported: 3/13/2017

CLIENT: Fulcrum Environmental

Project: Kennewick SD Drinking Water - Canyon View Elementary

Lab ID: 1703045-012

Client Sample ID: CVE3417-P-OF-47

Collection Date: 3/4/2017 9:00:00 AM

Matrix: Drinking Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Drinking Water Metals by EPA Method 200.8

Batch ID: 16430

Analyst: TN

Copper	ND	0.500		µg/L	1	3/10/2017 9:30:41 PM
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Lab ID: 1703045-013

Client Sample ID: CVE3417-P-CF-48

Collection Date: 3/4/2017 9:00:00 AM

Matrix: Drinking Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Drinking Water Metals by EPA Method 200.8

Batch ID: 16430

Analyst: TN

Copper	1,200	0.500		µg/L	1	3/10/2017 9:42:48 PM
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Lab ID: 1703045-014

Client Sample ID: CVE3417-P-CDF-34

Collection Date: 3/4/2017 9:00:00 AM

Matrix: Drinking Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Drinking Water Metals by EPA Method 200.8

Batch ID: 16430

Analyst: TN

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

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
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Drinking Water Metals by EPA Method 200.8

Batch ID: 16430

Analyst: TN

Copper	940	0.500		µg/L	1	3/10/2017 9:50:52 PM
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Work Order: 1703045
CLIENT: Fulcrum Environmental
Project: Kennewick SD Drinking Water - Canyon Vie

QC SUMMARY REPORT

Drinking Water Metals by EPA Method 200.8

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	1.010	0.500	200.0	881.8	66.6	70	130				S

NOTES:

S - Outlying spike recovery(ies) observed. A duplicate analysis was performed and recovered within range.

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
Copper	1.060	0.500	200.0	881.8	90.8	70	130	1.015	4.66	30	



Work Order Number: **1703045**
Date Received: **3/6/2017 8:54:00 AM**

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐

2. How was the sample delivered? FedEx

3. Coolers are present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
4. Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
5. Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Not Required <input type="checkbox"/>
6. Was an attempt made to cool the samples?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
7. Were all items received at a temperature of $>0^{\circ}\text{C}$ to 10.0°C *	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
8. Sample(s) in proper container(s)?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
9. Sufficient sample volume for indicated test(s)?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
10. Are samples properly preserved?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
11. Was preservative added to bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
12. Is there headspace in the VOA vials?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	HNO3 NA <input checked="" type="checkbox"/>
13. Did all samples containers arrive in good condition(unbroken)?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
14. Does paperwork match bottle labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
15. Are matrices correctly identified on Chain of Custody?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
16. Is it clear what analyses were requested?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
17. Were all holding times able to be met?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

18. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: Date:
 By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
 Regarding:
 Client Instructions:

HNO₃ added to 009A, 010A, 012A, 013A

Item #	Temp °C
Cooler	4.3
Sample	2.8

Original



Fremont

Analytical

3600 Fremont Ave N.
Seattle, WA 98103

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

Client: Fulcrum Environmental Consulting

Address: 406 North Second Street
Yakima, WA, 98901

City, State, Zip:

Telephone: 509.574.0839

Fax: 509.575.8453

Chain of Custody Record and Laboratory Services Agreement

Date: 3/4/2017

Laboratory Project No (Internal): 1703045

Page: 1 of 2

Project Name: Kennewick SD Drinking Water - Canyon View Elementary

Project No: 162017.27

Collected by:

Location: Canyon View Elementary, Kennewick, WA

Report To (PM): Ryan Mathews

PM Email: rmathews@fulcrum.net, cc: aenbysk@fulcrum.net

*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

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOGs (EPA 8260 / 624)	GY/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	SVOGs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) / Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1 CNE 8417 - P - KP - 12	3/4/2017	9:44	DW													
2 "																
3 "																
4 "																
5 "																
6 "																
7 "																
8 "																
9 "																
10 "																



Fremont

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

Chain of Custody Record and Laboratory Services Agreement

Date: 3/4/2017

Laboratory Project No (Internal): 1703045

Page: 1 of 2

Client: Fulcrum Environmental Consulting
Address: 406 North Second Street
City, State, Zip: Yakima, WA, 98901
Telephone: 509.574.0839

Project Name: Kennecott SD Drinking Water - Canyon View Elementary
Project No: 162017.27
Location: Canyon View Elementary, Kennecott, WA
Report To (PM): Ryan Mathews
PM Email: mathews@fulcrum.net; cc: aenbysk@fulcrum.net

*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

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	DW	VOCS (EPA 8260 / 624)	GV/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCS (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.6)	Total (T) / Dissolved (D)	Anions (IC)**	EDB (8011)	Comments	
1 CNE 8417-P-KF-1802	3/4/2017	9 AM	DW																Preserved at 4°C
2 "																			
3 "																			
4 "																			
5 "																			
6 "																			
7 "																			
8 "																			
9 "																			
10 "																			

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate-Nitrite
Sample Disposal: ☐ Return to Client ☐ 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.)
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: Mathews Date/Time: 3/4/17 11 AM Received: OK Date/Time: 3/6/17 0454
Retained: X Date/Time: Received: X Date/Time:

Special Remarks: Reserve all Unpreserved
TAT ASAP
TAT → SameDay* NextDay* 2 Day 3 Day STD
*Please coordinate with the lab in advance



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Client: Fulcrum Environmental Consulting

Address: 406 North Second Street

City, State, Zip: Yakima, WA, 98901

Telephone: 509.574.0839

Fax: 509.575.8453

Project Name: Kennecott SD Drinking Water - Canyon View Elementary

Project No: 162017.27

Location: Canyon View Elementary, Kennecott, WA

Report To (PM): Ryan Mathews

PM Email: matthews@fulcrum.net; cc:aeenbysk@fulcrum.net

Date: 3/4/2017

Laboratory Project No (Internal): 1703045

Page: 2 of 2

Chain of Custody Record and Laboratory Services Agreement

*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

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOCs (EPA 8260 / 624)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.5)	Total (T) / Dissolved (D)	Anions (IC)**	EDB (8011)	Comments
1 CNE3417-P-CF-44	3/4/2017	9AM	DW									
2 -S-CF-44	3/4/17											Hold NB 3/6/17
3 -T-CF-44												Hold NB 3/6/17
4 -P-CF-44												
5 -P-CF-48												
6 CNE3417-P-CDF-34												Hold NB 3/6/17
7 CNE3417-P-CF-42												Hold NB 3/6/17
8 CNE3417-S-CF-42												Hold NB 3/6/17
9 CNE3417-T-CF-42												
10												

Distribution: White - Lab, Yellow - File, Pink - Originator

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Client: Fulcrum Environmental Consulting

Address: 406 North Second Street
Yakima, WA, 98901

City, State, Zip: 509.574.0839 Fax: 509.575.8433

Project Name: Kennecott SD Drinking Water - Canyon View Elementary
Project No: 162017.27 Collected by: Ryan Mathews
Location: Canyon View Elementary, Kennecott, WA
Report To (PM): Ryan Mathews
PM Email: mathews@fulcrum.net; cc: aethysk@fulcrum.net

Chain of Custody Record and Laboratory Services Agreement

Date: 3/4/2017

Laboratory Project No (Internal): 1703045
Page: 1 of 2

*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

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOCs (EPA 8260 / 624)	GV/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DOX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.6)	Total (T) Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1 CUG 3417 - P-KF-1802	3/4/2017	9AM	DW														NOB 3/6/17
2 "																	
3 "																	
4 "																	
5 "																	
6 "																	
7 "																	
8 "																	
9 "																	
10 "																	

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Chain of Custody Record and Laboratory Services Agreement

Date: 3/4/2017

Laboratory Project No (Internal): 1703045

Client: Fulcrum Environmental Consulting

Address: 406 North Second Street

City, State, Zip: Yakima, WA, 98901

Telephone: 509.574.0839

Fax: 509.575.8453

Project Name:

Project No: 162017.27

Location: Canyon View Elementary, Kennewick, WA

Report To (PM): Ryan Mathews

PM Email: mathews@fulcrum.net; cc: aenbysk@fulcrum.net

*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

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOCS (EPA 8260 / 624)	SVOCs (EPA 8270 / 625)	PHS (EPA 8270 - SIM)	PCBs (EPA 8062 / 608)	Metals** (EPA 6020 / 200.5)	Total (T) Dissolved (D)	Anions (IC)**	EDR (8011)	Comments
1 CNE3417-P-CF-44	3/4/2017	9AM	DW									
2 -S-CF-44	3/4/17											Hold NB 3/6/17
3 -S-CF-44	3/4/17											Hold NB 3/6/17
4 -P-CF-44	3/4/17											Hold NB 3/6/17
5 -P-CF-48												
6 CNE3417-P-CDF-34												Hold NB 3/6/17
7 CNE3417-P-CF-42												Hold NB 3/6/17
8 CNE3417-S-CF-42												Hold NB 3/6/17
9 CNE3417-T-CF-42												
10												

Distribution: White - Lab, Yellow - File, Pink - Originator

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