



**Fulcrum Environmental**

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

**RE: Kennewick SD Drinking Water - Eastgate Elementary**  
**Work Order Number: 1701236**

January 24, 2017

**Attention Ryan Mathews:**

Fremont Analytical, Inc. received 16 sample(s) on 1/23/2017 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



Date: 01/24/2017

**CLIENT:** Fulcrum Environmental  
**Project:** Kennewick SD Drinking Water - Eastgate El  
**Work Order:** 1701236

## Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1701236-001	EGE12117-P-KF-01	01/21/2017 11:00 AM	01/23/2017 12:25 PM
1701236-002	EGE12117-S-KF-01	01/21/2017 11:00 AM	01/23/2017 12:25 PM
1701236-003	EGE12117-T-KF-01	01/21/2017 11:00 AM	01/23/2017 12:25 PM
1701236-004	EGE12117-P-CF-07	01/21/2017 11:00 AM	01/23/2017 12:25 PM
1701236-005	EGE12117-P-CF-11	01/21/2017 11:00 AM	01/23/2017 12:25 PM
1701236-006	EGE12117-P-NF-12	01/21/2017 11:00 AM	01/23/2017 12:25 PM
1701236-007	EGE12117-S-NF-12	01/21/2017 11:00 AM	01/23/2017 12:25 PM
1701236-008	EGE12117-T-NF-12	01/21/2017 11:00 AM	01/23/2017 12:25 PM
1701236-009	EGE12117-P-OF-15	01/21/2017 11:00 AM	01/23/2017 12:25 PM
1701236-010	EGE12117-S-NF-15	01/21/2017 11:00 AM	01/23/2017 12:25 PM
1701236-011	EGE12117-T-NF-15	01/21/2017 11:00 AM	01/23/2017 12:25 PM
1701236-012	EGE12117-P-CF-18	01/21/2017 11:00 AM	01/23/2017 12:25 PM
1701236-013	EGE12117-P-CF-19	01/21/2017 11:00 AM	01/23/2017 12:25 PM
1701236-014	EGE12117-P-CF-20	01/21/2017 11:00 AM	01/23/2017 12:25 PM
1701236-015	EGE12117-P-OF-24	01/21/2017 11:00 AM	01/23/2017 12:25 PM
1701236-016	EGE12117-P-CF-34	01/21/2017 11:00 AM	01/23/2017 12:25 PM

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**CLIENT:** Fulcrum Environmental  
**Project:** Kennewick SD Drinking Water - Eastgate Elementary

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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:

1701236-001A 202824: Prep Comments for EPA200.8, Sample 1701236-001A: Turbidity: 0.08 NTU  
1701236-004A 202825: Prep Comments for EPA200.8, Sample 1701236-004A: Turbidity: 0.09 NTU  
1701236-005A 202826: Prep Comments for EPA200.8, Sample 1701236-005A: Turbidity: 0.04 NTU  
1701236-006A 202827: Prep Comments for EPA200.8, Sample 1701236-006A: Turbidity: 0.10 NTU  
1701236-009A 202828: Prep Comments for EPA200.8, Sample 1701236-009A: Turbidity: 0.12 NTU  
1701236-012A 202829: Prep Comments for EPA200.8, Sample 1701236-012A: Turbidity: 0.04 NTU  
1701236-013A 202830: Prep Comments for EPA200.8, Sample 1701236-013A: Turbidity: 0.14 NTU  
1701236-014A 202831: Prep Comments for EPA200.8, Sample 1701236-014A: Turbidity: 0.11 NTU  
1701236-015A 202835: Prep Comments for EPA200.8, Sample 1701236-015A: Turbidity: 0.05 NTU  
1701236-016A 202836: Prep Comments for EPA200.8, Sample 1701236-016A: Turbidity: 0.02 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



**CLIENT:** Fulcrum Environmental  
**Project:** Kennewick SD Drinking Water - Eastgate Elementary

**Lab ID:** 1701236-001      **Collection Date:** 1/21/2017 11:00:00 AM  
**Client Sample ID:** EGE12117-P-KF-01      **Matrix:** Drinking Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b><u>Drinking Water Metals by EPA Method 200.8</u></b>				Batch ID: 15998		Analyst: TN
Copper	1,200	0.500		µg/L	1	1/23/2017 9:28:35 PM

**Lab ID:** 1701236-004      **Collection Date:** 1/21/2017 11:00:00 AM  
**Client Sample ID:** EGE12117-P-CF-07      **Matrix:** Drinking Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b><u>Drinking Water Metals by EPA Method 200.8</u></b>				Batch ID: 15998		Analyst: TN
Copper	1,400	0.500		µg/L	1	1/23/2017 9:32:11 PM

**Lab ID:** 1701236-005      **Collection Date:** 1/21/2017 11:00:00 AM  
**Client Sample ID:** EGE12117-P-CF-11      **Matrix:** Drinking Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b><u>Drinking Water Metals by EPA Method 200.8</u></b>				Batch ID: 15998		Analyst: TN
Copper	877	0.500		µg/L	1	1/23/2017 9:35:48 PM



**CLIENT:** Fulcrum Environmental  
**Project:** Kennewick SD Drinking Water - Eastgate Elementary

**Lab ID:** 1701236-006 **Collection Date:** 1/21/2017 11:00:00 AM  
**Client Sample ID:** EGE12117-P-NF-12 **Matrix:** Drinking Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b><u>Drinking Water Metals by EPA Method 200.8</u></b>				Batch ID: 15998		Analyst: TN
Copper	1,660	0.500		µg/L	1	1/23/2017 9:39:24 PM

**Lab ID:** 1701236-009 **Collection Date:** 1/21/2017 11:00:00 AM  
**Client Sample ID:** EGE12117-P-OF-15 **Matrix:** Drinking Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b><u>Drinking Water Metals by EPA Method 200.8</u></b>				Batch ID: 15998		Analyst: TN
Copper	1,590	0.500		µg/L	1	1/23/2017 9:43:00 PM

**Lab ID:** 1701236-012 **Collection Date:** 1/21/2017 11:00:00 AM  
**Client Sample ID:** EGE12117-P-CF-18 **Matrix:** Drinking Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b><u>Drinking Water Metals by EPA Method 200.8</u></b>				Batch ID: 15998		Analyst: TN
Copper	1,160	0.500		µg/L	1	1/23/2017 9:46:37 PM



**CLIENT:** Fulcrum Environmental  
**Project:** Kennewick SD Drinking Water - Eastgate Elementary

**Lab ID:** 1701236-013      **Collection Date:** 1/21/2017 11:00:00 AM  
**Client Sample ID:** EGE12117-P-CF-19      **Matrix:** Drinking Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b><u>Drinking Water Metals by EPA Method 200.8</u></b>				Batch ID: 15998		Analyst: TN
Copper	1,480	0.500		µg/L	1	1/23/2017 9:57:28 PM

**Lab ID:** 1701236-014      **Collection Date:** 1/21/2017 11:00:00 AM  
**Client Sample ID:** EGE12117-P-CF-20      **Matrix:** Drinking Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b><u>Drinking Water Metals by EPA Method 200.8</u></b>				Batch ID: 15999		Analyst: TN
Copper	1,730	0.500		µg/L	1	1/23/2017 10:11:56 PM

**Lab ID:** 1701236-015      **Collection Date:** 1/21/2017 11:00:00 AM  
**Client Sample ID:** EGE12117-P-OF-24      **Matrix:** Drinking Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b><u>Drinking Water Metals by EPA Method 200.8</u></b>				Batch ID: 15999		Analyst: TN
Copper	2,090	0.500		µg/L	1	1/23/2017 10:26:21 PM



**CLIENT:** Fulcrum Environmental  
**Project:** Kennewick SD Drinking Water - Eastgate Elementary

**Lab ID:** 1701236-016      **Collection Date:** 1/21/2017 11:00:00 AM  
**Client Sample ID:** EGE12117-P-CF-34      **Matrix:** Drinking Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b><u>Drinking Water Metals by EPA Method 200.8</u></b>				Batch ID: 15999		Analyst: TN
Copper	0.600	0.500		µg/L	1	1/23/2017 10:29:58 PM



**Work Order:** 1701236  
**CLIENT:** Fulcrum Environmental  
**Project:** Kennewick SD Drinking Water - Eastgate El

**QC SUMMARY REPORT**  
**Drinking Water Metals by EPA Method 200.8**

Sample ID <b>MB-15999</b>	SampType: <b>MBLK</b>	Units: <b>µg/L</b>	Prep Date: <b>1/23/2017</b>	RunNo: <b>34026</b>							
Client ID: <b>MBLKW</b>	Batch ID: <b>15999</b>	Analysis Date: <b>1/23/2017</b>	SeqNo: <b>647576</b>								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Copper ND 0.500

Sample ID <b>LCS-15999</b>	SampType: <b>LCS</b>	Units: <b>µg/L</b>	Prep Date: <b>1/23/2017</b>	RunNo: <b>34026</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>15999</b>	Analysis Date: <b>1/23/2017</b>	SeqNo: <b>647577</b>								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Copper 93.6 0.500 100.0 0 93.6 85 115

Sample ID <b>1701236-014ADUP</b>	SampType: <b>DUP</b>	Units: <b>µg/L</b>	Prep Date: <b>1/23/2017</b>	RunNo: <b>34026</b>							
Client ID: <b>EGE12117-P-CF-20</b>	Batch ID: <b>15999</b>	Analysis Date: <b>1/23/2017</b>	SeqNo: <b>647579</b>								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Copper 1,730 0.500 1,728 0.181 30

Sample ID <b>1701236-014AMS</b>	SampType: <b>MS</b>	Units: <b>µg/L</b>	Prep Date: <b>1/23/2017</b>	RunNo: <b>34026</b>							
Client ID: <b>EGE12117-P-CF-20</b>	Batch ID: <b>15999</b>	Analysis Date: <b>1/23/2017</b>	SeqNo: <b>647580</b>								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Copper 1,910 0.500 200.0 1,728 91.9 70 130

Sample ID <b>1701236-014AMSD</b>	SampType: <b>MSD</b>	Units: <b>µg/L</b>	Prep Date: <b>1/23/2017</b>	RunNo: <b>34026</b>							
Client ID: <b>EGE12117-P-CF-20</b>	Batch ID: <b>15999</b>	Analysis Date: <b>1/23/2017</b>	SeqNo: <b>647581</b>								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Copper 1,960 0.500 200.0 1,728 115 70 130 1,912 2.39 30

**Work Order:** 1701236  
**CLIENT:** Fulcrum Environmental  
**Project:** Kennewick SD Drinking Water - Eastgate El

**QC SUMMARY REPORT**  
**Drinking Water Metals by EPA Method 200.8**

Sample ID <b>MB-15998</b>	SampType: <b>MBLK</b>	Units: <b>µg/L</b>			Prep Date: <b>1/23/2017</b>	RunNo: <b>34025</b>					
Client ID: <b>MBLKW</b>	Batch ID: <b>15998</b>				Analysis Date: <b>1/23/2017</b>	SeqNo: <b>647526</b>					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Copper ND 0.500

Sample ID <b>LCS-15998</b>	SampType: <b>LCS</b>	Units: <b>µg/L</b>			Prep Date: <b>1/23/2017</b>	RunNo: <b>34025</b>					
Client ID: <b>LCSW</b>	Batch ID: <b>15998</b>				Analysis Date: <b>1/23/2017</b>	SeqNo: <b>647527</b>					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Copper 94.1 0.500 100.0 0 94.1 85 115

Sample ID <b>1701235-017ADUP</b>	SampType: <b>DUP</b>	Units: <b>µg/L</b>			Prep Date: <b>1/23/2017</b>	RunNo: <b>34025</b>					
Client ID: <b>BATCH</b>	Batch ID: <b>15998</b>				Analysis Date: <b>1/23/2017</b>	SeqNo: <b>647529</b>					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Copper 1,090 0.500 1,167 6.49 30

Sample ID <b>1701235-017AMS</b>	SampType: <b>MS</b>	Units: <b>µg/L</b>			Prep Date: <b>1/23/2017</b>	RunNo: <b>34025</b>					
Client ID: <b>BATCH</b>	Batch ID: <b>15998</b>				Analysis Date: <b>1/23/2017</b>	SeqNo: <b>647532</b>					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Copper 1,360 0.500 200.0 1,167 94.9 70 130

Sample ID <b>1701235-017AMSD</b>	SampType: <b>MSD</b>	Units: <b>µg/L</b>			Prep Date: <b>1/23/2017</b>	RunNo: <b>34025</b>					
Client ID: <b>BATCH</b>	Batch ID: <b>15998</b>				Analysis Date: <b>1/23/2017</b>	SeqNo: <b>647533</b>					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Copper 1,400 0.500 200.0 1,167 115 70 130 1,357 2.89 30

Client Name: **FE**

 Work Order Number: **1701236**

 Logged by: **Clare Griggs**

 Date Received: **1/23/2017 12:25:00 PM**

### Chain of Custody

1. Is Chain of Custody complete? Yes  No  Not Present
2. How was the sample delivered? Client

### Log In

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

### Special Handling (if applicable)

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

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

### Item Information

Item #	Temp °C
Cooler	9.8
Sample	7.1

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





**Fremont**  
Analytical

3600 Fremont Ave N.  
Seattle, WA 98103

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

**Chain of Custody Record and Laboratory Services Agreement**

Date: 1/21/2017

Laboratory Project No (Internal):

1701236

Client: Fulcrum Environmental Consulting

Project Name: Kennewick SD Drinking Water - Eastgate Elementary

Project No: 162017  
Location: Eastgate Elementary, Kennewick, WA  
Report To (PM): Ryan Mathews

Address: 406 North Second Street  
City, State, Zip: Yakima, WA 98901

Collected by: Amanda Galsky & Kristin Poston

Telephone: 509.574.0839 Fax: 509.545.8453

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)*	VOCs (EPA 8260 / 624)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCD)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (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
EGE12117-P-KF-01	1/21/17	1100	DW														HNO3 preserved
EGE12117-S-KF-01																	H2O; unpreserved
EGE12117-T-KF-01																	H2O; unpreserved
EGE12117-P- <del>CF</del> -01																	HNO3 preserved
EGE12117-P-CF-11																	HNO3 preserved
EGE12117-P-NF-12																	H2O; unpreserved
EGE12117-S-NF-12																	H2O; unpreserved
EGE12117-T-NF-12																	H2O; unpreserved
EGE12117-P-NF-15																	HNO3 preserved
EGE12117-S-NF-15																	H2O; unpreserved

**\*\*Metals Analysis (Circle):** MTC-A-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr  Cu Fe Hg K Mg Mn Mo Na Ni Pb S Sb Se Sr Sn Tl Ti U V Zn

**\*\*\*Anions (Circle):** Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

**Sample Disposal:**  Return to Client  Disposed by Lab (Samples will be held for 30 days unless otherwise noted. A fee may be assessed if samples are retained after 30 days.)

**Turn-around times for samples received after 4:00pm will begin on the following business day.**

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/Time: 1/21/2017, 1000 Received Date/Time: 1/23/2017, 1225

Relinquished Signature: [Signature] Received Signature: [Signature]

Relinquished Date/Time: 1/13/2017, 1235 Received Date/Time: 1/23/2017, 1225

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

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COC 1.1 - 4.5.16 - 1 of 2





**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: 509.545.8453

**Chain of Custody Record and Laboratory Services Agreement**

Date: 1/21/2017

Laboratory Project No (Internal):

Page: 2 of 2

Project Name:

Kennwick SD Drinking Water - Eastgate Elementary

Collected by: Amanda Eberly & Matthew Bohman

Project No:

162017

Location:

Eastgate Elementary, Kennwick, 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)*	VOCs (EPA 8260 / 624)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 - SIM)	PAHs (EPA 8270 - 625)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T)   Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
EGE12117-T-NF-15	1/21/17	1100	DW														HPD; unpreserved
EGE12117-P-CF-18																	HPD; preserved
EGE12117-R-CF-19																	
EGE12117-P-CF-20																	
EGE12117-P-OF-24																	
EGE12117-R-CF-34																	

Relinquished: Quinn McEl Date/Time: 1/23/2017 12:25 Received: [Signature] Date/Time: 1/23/17 12:25

Special Remarks: Please preserve all unpreserved samples

TAT: ASAP

TAT → SameDay<sup>^</sup> NextDay<sup>^</sup> 2 Day 3 Day STD

\*Please coordinate with the lab in advance





# Chain of Custody Record and Laboratory Services Agreement

3600 Fremont Ave N.  
Seattle, WA 98103

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

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 - Eastgate Elementary  
Project No: 162017  
Location: Eastgate Elementary, Kennecott, WA  
Report To (PM): Ryan Mathews  
PM Email: rmathews@fulcrum.net

Date: 1/21/2017

Laboratory Project No (Internal): 1701230

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)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	PAHs (EPA 8270 / 625)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T)   Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
EGE12117-P-KF-01	1/21/17	1100	DW													HNO <sub>3</sub> preserved
EGE12117-S-KF-01																HNO <sub>3</sub> preserved
EGE12117-T-KF-01																HNO <sub>3</sub> preserved
EGE12117-P- <del>CF</del> -07																HNO <sub>3</sub> preserved
EGE12117-P-CF-11																HNO <sub>3</sub> preserved
EGE12117-P-NF-12																HNO <sub>3</sub> preserved
EGE12117-S-NF-12																HNO <sub>3</sub> preserved
EGE12117-T-NF-12																HNO <sub>3</sub> preserved
EGE12117-P-NF-15																HNO <sub>3</sub> preserved
EGE12117-S-NF-15																HNO <sub>3</sub> preserved

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.

Requisitioned: MGK Date/Time: 1/21/2017, 1600 Received: [Signature] Date/Time: 1/23/2017, 1225

Requisitioned: [Signature] Date/Time: 1/23/2017, 1225 Received: [Signature] Date/Time: 1/23/2017, 1225

Special Remarks: Please preserve all unpreserved samples

TAT: ASAP

TAT → SameDay, NextDay, 2 Day, 3 Day, STD

\*Please coordinate with the lab in advance





**Fremont**  
Analytical

3600 Fremont Ave N.  
Seattle, WA 98103

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

**Chain of Custody Record and Laboratory Services Agreement**

Date: 1/21/2017

Laboratory Project No (Internal):

1701236

Page: 2 of 2

Fulcrum Environmental Consulting

406 North Second Street

City, State, Zip: Yakima, WA 98901

Telephone: 509.574.0839

Fax: 509.545.8453

Project Name:

Kennewick SD Drinking Water - Eastgate Elementary

Project No:

162017

Location:

Eastgate Elementary, Kennewick, WA

Report To (PM):

Ryan Mathews

PM Email:

rmathews@fulcrum.net; cc: aenbysk@fulcrum.net

Collected by: Amanda Emerys & Nathan Bostrom

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)	GW/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 / 200.8)	Total (T)   Dissolved (D)	Anions (IC)**	EDB (8011)	Comments
EGE 1217-T-NF-15	1/21/17	1100	DW														H2O2; unpreserved
EGE 1217-P-CF-18																	HNO3 preserved
EGE 1217-R-CF-19																	
EGE 1217-P-CF-20																	
EGE 1217-P-OF-24																	
EGE 1217-R-CF-34																	

\*\*Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co C Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl U V Zn

\*\*\*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.)  
 Turn-around times for samples received after 4:00pm will begin on the following business day.

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/Time: 1/21/2017 1600 Received Date/Time: 1/22/17 1225  
 Relinquished Signature: [Signature] Received Signature: [Signature]

Special Remarks: Please preserve all unpreserved samples  
 TAT: ASAP  
 TAT -> SameDay NextDay 2 Day 3 Day STD  
 Please coordinate with the lab in advance