

# Summit Scientific

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4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

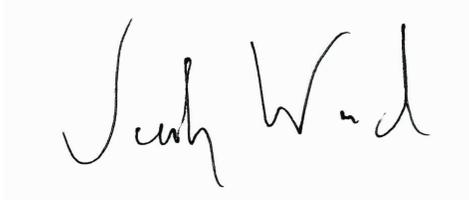
August 26, 2024

Paul Henchan  
Fremont Environmental  
PO Box 1289  
Wellington, CO 80549

RE: Chevron - Clyneke State B36-25, Baker State B36-12  
Work Order #2408179

Enclosed are the results of analyses for samples received by Summit Scientific on 08/16/24 16:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink that reads "Jacob Wood". The signature is written in a cursive style with a large initial 'J' and 'W'.

Jacob Wood For Paul Shrewsbury  
President



Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Chevron - Clyneke State B36-25, Baker State B36-12  
Project Number: UWRWE-A1712-ABN  
Project Manager: Paul Henchan

**Reported:**  
08/26/24 09:32

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW1@5'	2408179-01	Soil	08/16/24 00:00	08/16/24 16:40
MW1@12'	2408179-02	Soil	08/16/24 00:00	08/16/24 16:40
MW2@7'	2408179-03	Soil	08/16/24 00:00	08/16/24 16:40
MW2@14'	2408179-04	Soil	08/16/24 00:00	08/16/24 16:40
MW3@4'	2408179-05	Soil	08/16/24 00:00	08/16/24 16:40
MW3@14'	2408179-06	Soil	08/16/24 00:00	08/16/24 16:40
MW4@12'	2408179-07	Soil	08/16/24 00:00	08/16/24 16:40
MW4@5'	2408179-08	Soil	08/16/24 00:00	08/16/24 16:40
MW5@5'	2408179-09	Soil	08/16/24 00:00	08/16/24 16:40
MW5@15'	2408179-10	Soil	08/16/24 00:00	08/16/24 16:40
MW1	2408179-11	Water	08/16/24 00:00	08/16/24 16:40
MW2	2408179-12	Water	08/16/24 00:00	08/16/24 16:40
MW3	2408179-13	Water	08/16/24 00:00	08/16/24 16:40
MW4	2408179-14	Water	08/16/24 00:00	08/16/24 16:40
MW5	2408179-15	Water	08/16/24 00:00	08/16/24 16:40

Summit Scientific

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4653 Table Mountain Drive  
Golden, CO 80403  
303-277-9310

Lab ID: 2408179 Page 1 of 6

<b>Send Data To:</b>		<b>Send Invoice To:</b>	
Client: Fremont Environmental	Project Manager: Paul Henehan	Company: <u>Chevron</u>	
Address: 8305 6th Street	E-Mail: Fremont Distribution List	Project Name/Location:	
City/State/Zip: Wellington, CO, 80549		AFE#: <u>UWRWE-A1712-ABN</u>	
Phone: 603-477-6907	Project Name: <u>Clyde State B36-25, Bulker State B36-12</u>	PO/Billing Codes:	
Sampler Name: Aaron Otilar	Project Number: <u>C022-187</u>	Contact: <u>Dan Peterson</u>	

ID	Sample Description	Date Sampled	Time Sampled	Preservative				Matrix				Analysis Requested							Special Instructions			
				# of containers	HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other	BTEXN - 915	TPH (C6-C36)	PAH	TMB's - 915	Metals (915-1)	SAR, EC, pH, Boron		TDS, Cl, SO4		
1	mw 1 @ 5'	8/16/24		2			2				X				X	X	X	X	X	X		
2	mw 1 @ 12'																					
3	mw 2 @ 7'																					
4	mw 2 @ 14'																					
5	mw 3 @ 4'																					
6	mw 3 @ 14'																					
7	mw 4 @ 12'																					
8	mw 4 @ 5'																					
9	mw 5 @ 5'																					
10	mw 5 @ 15'																					
11	mw 1			4	3		1		X					X			X				X	
12	mw 2																					
13	mw 3																					
14	mw 4																					
15	mw 5																					

Relinquished by: <u>[Signature]</u>	Date/Time: <u>8/16/24 1610</u>	Received by: <u>Summit North Office</u>	Date/Time: <u>8/16/24 1610</u>	TAT Business Days	Field DO	Notes:
Relinquished by: <u>92</u>	Date/Time: <u>8/16/24 1640</u>	Received by: <u>[Signature]</u>	Date/Time: <u>8/16/24 1640</u>	Same Day	Field EC	
Relinquished by:	Date/Time:	Received by:	Date/Time:	1 Day	Field ORP	
				2 Days	Field pH	
				3 Days	Field Temp.	
Temperature Upon Receipt: <u>11.1</u>	Corrected Temperature: <u>0</u>	IR gun #: <u>1</u>	HNO3 lot #: _____	Standard	<input checked="" type="checkbox"/> Field Turb.	

S<sub>2</sub>

Sample Receipt Checklist

S2 Work Order# 2408179

Client: Fremont

Client Project ID: Clyde State B30-25  
Baker State B30-12

Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other

Airbill #:

Matrix (Check all that apply)

Air

Soil/Solid

Water

Other

Temp (°C)

Thermometer #

	Yes	No	N/A	Comments (if any)
If samples require cooling, is the temperature < 6°C? <sup>(1)</sup> NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	on ICE
If custody seals are present, are they intact? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are samples due within 48 hours present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are water samples with short hold times present? Note the short hold analysis in the comments column - pH, Nitrate/Nitrite, Ferrous Iron (Fe <sup>2+</sup> ), Hexavalent Chromium (Cr <sup>6+</sup> , Cr VI), COD/BOD, Total Coliform, E. Coli, Total Residual Chlorine (TRC), Dissolved Oxygen	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out Completely? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NO sample times
Is the COC properly relinquished by the client w/ date and time recorded? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling)? <sup>(1)</sup> Note the type of preservative in the comments column – HCl, H <sub>2</sub> SO <sub>4</sub> , NaOH, HNO <sub>3</sub> , etc.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	HCl
If samples are acid preserved for metals, is the pH ≤ 2? <sup>(1)</sup> Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Additional Comments (if any):

<sup>(1)</sup> If NO, then contact the client before proceeding with analysis and note in case narrative.

AS

Custodian Printed Name

8/18/24  
Date/Time



Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Chevron - Clyncke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
Project Manager: Paul Henchan

**Reported:**  
08/26/24 09:32

**MW1@5'**  
**2408179-01 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BHH0507	08/19/24	08/20/24	EPA 8260B	
Toluene	ND	0.0050		"	"	"	"	"	"	
Ethylbenzene	ND	0.0050		"	"	"	"	"	"	
Xylenes (total)	ND	0.010		"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
Naphthalene	ND	0.0038		"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50		"	"	"	"	"	"	

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0413	103 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0395	98.8 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0389	97.4 %		50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BHH0509	08/19/24	08/20/24	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	11.4	91.1 %		30-150		"	"	"	"	

**PAH by EPA Method 8270D SIM**

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Chevron - Clyneke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
Project Manager: Paul Henchan

**Reported:**  
08/26/24 09:32

**MW1@5'**  
**2408179-01 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHH0495	08/19/24	08/20/24	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0180	54.0 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0187	56.0 %	40-150		"	"	"	"	

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHH0537	08/20/24	08/21/24	EPA 6020B	

**Total Metals by EPA 6020B**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Chevron - Clyncke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
Project Manager: Paul Henchan

**Reported:**  
08/26/24 09:32

**MW1@5'**  
**2408179-01 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Arsenic	2.20	0.200	mg/kg dry	1	BHH0493	08/19/24	08/20/24	EPA 6020B
Barium	61.9	0.400	"	"	"	"	"	"
Cadmium	ND	0.200	"	"	"	"	"	"
Copper	3.09	0.400	"	"	"	"	"	"
Lead	4.64	0.200	"	"	"	"	"	"
Nickel	3.49	0.400	"	"	"	"	"	"
Silver	0.0340	0.0200	"	"	"	"	"	"
Zinc	12.9	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHH0478	08/19/24	08/19/24	EPA 7196A	

**Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	24.5	0.0500	mg/L dry	1	BHH0547	08/20/24	08/22/24	EPA 6020B	
Magnesium	5.87	0.0500	"	"	"	"	"	"	
Sodium	17.2	0.0500	"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.810	0.00100	units	1	BHH0705	08/23/24	08/23/24	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods**

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 Wellington CO, 80549

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Project Number: UWRWE-A1712-ABN  
 Project Manager: Paul Henchan

**Reported:**  
 08/26/24 09:32

**MW1@5'**  
**2408179-01 (Soil)**

**Summit Scientific**

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	94.0		%	1	BHH0494	08/19/24	08/19/24	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.268	0.0100	mmhos/cm	1	BHH0548	08/20/24	08/21/24	EPA 120.1	

**Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.36		pH Units	1	BHH0549	08/20/24	08/21/24	EPA 9045D	

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Project: Chevron - Clyncke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
Project Manager: Paul Henchan

**Reported:**  
08/26/24 09:32

**MW1@12'**  
**2408179-02 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BHH0507	08/19/24	08/20/24	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0432	108 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0395	98.8 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0394	98.5 %	50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BHH0509	08/19/24	08/20/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	10.0	80.4 %	30-150		"	"	"	"	

**PAH by EPA Method 8270D SIM**

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Project: Chevron - Clyneke State B36-25, Baker State B36-12

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Project Manager: Paul Henchan

**Reported:**  
08/26/24 09:32

**MW1@12'**  
**2408179-02 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHH0495	08/19/24	08/20/24	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0193	57.8 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0219	65.8 %	40-150		"	"	"	"	

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHH0537	08/20/24	08/21/24	EPA 6020B	

**Total Metals by EPA 6020B**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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PO Box 1289  
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Project: Chevron - Clyncke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
Project Manager: Paul Henchan

**Reported:**  
08/26/24 09:32

**MW1@12'**  
**2408179-02 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	0.643	0.200	mg/kg dry	1	BHH0493	08/19/24	08/20/24	EPA 6020B	
Barium	4.97	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	1.15	0.400	"	"	"	"	"	"	
Lead	1.35	0.200	"	"	"	"	"	"	
Nickel	0.782	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	3.78	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHH0478	08/19/24	08/19/24	EPA 7196A	

**Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	27.8	0.0500	mg/L dry	1	BHH0547	08/20/24	08/22/24	EPA 6020B	
Magnesium	9.53	0.0500	"	"	"	"	"	"	
Sodium	48.4	0.0500	"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	2.02	0.00100	units	1	BHH0705	08/23/24	08/23/24	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods**

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Fremont Environmental  
 PO Box 1289  
 Wellington CO, 80549

Project: Chevron - Clyneke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
 Project Manager: Paul Henchan

**Reported:**  
 08/26/24 09:32

**MW1@12'**  
**2408179-02 (Soil)**

**Summit Scientific**

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	86.5		%	1	BHH0494	08/19/24	08/19/24	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **08/16/24 00:00**

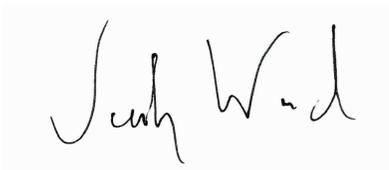
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.453	0.0100	mmhos/cm	1	BHH0548	08/20/24	08/21/24	EPA 120.1	

**Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.27		pH Units	1	BHH0549	08/20/24	08/21/24	EPA 9045D	

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Chevron - Clyncke State B36-25, Baker State B36-12  
Project Number: UWRWE-A1712-ABN  
Project Manager: Paul Henchan

**Reported:**  
08/26/24 09:32

**MW2@7'**  
**2408179-03 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BHH0507	08/19/24	08/20/24	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0429	107 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0405	101 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0408	102 %	50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BHH0509	08/19/24	08/20/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	8.09	64.7 %	30-150		"	"	"	"	

**PAH by EPA Method 8270D SIM**

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Chevron - Clyneke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
Project Manager: Paul Henchan

**Reported:**  
08/26/24 09:32

**MW2@7'**  
**2408179-03 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHH0495	08/19/24	08/20/24	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0166	49.9 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0181	54.3 %	40-150		"	"	"	"	

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHH0537	08/20/24	08/21/24	EPA 6020B	

**Total Metals by EPA 6020B**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Chevron - Clyneke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
Project Manager: Paul Henchan

**Reported:**  
08/26/24 09:32

**MW2@7'**  
**2408179-03 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Arsenic	3.32	0.200	mg/kg dry	1	BHH0493	08/19/24	08/20/24	EPA 6020B
Barium	92.7	0.400	"	"	"	"	"	"
Cadmium	0.247	0.200	"	"	"	"	"	"
Copper	7.25	0.400	"	"	"	"	"	"
Lead	12.2	0.200	"	"	"	"	"	"
Nickel	6.09	0.400	"	"	"	"	"	"
Silver	0.0607	0.0200	"	"	"	"	"	"
Zinc	23.5	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHH0478	08/19/24	08/19/24	EPA 7196A	

**Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	60.5	0.0500	mg/L dry	1	BHH0547	08/20/24	08/22/24	EPA 6020B	
Magnesium	18.5	0.0500	"	"	"	"	"	"	
Sodium	153	0.0500	"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	4.42	0.00100	units	1	BHH0705	08/23/24	08/23/24	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Fremont Environmental  
 PO Box 1289  
 Wellington CO, 80549

Project: Chevron - Clyneke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
 Project Manager: Paul Henchan

**Reported:**  
 08/26/24 09:32

**MW2@7'**  
**2408179-03 (Soil)**

**Summit Scientific**

**Physical Parameters by APHA/ASTM/EPA Methods**

% Solids	76.8	%	1	BHH0494	08/19/24	08/19/24	Calculation
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**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.952	0.0100	mmhos/cm	1	BHH0548	08/20/24	08/21/24	EPA 120.1	

**Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.19		pH Units	1	BHH0549	08/20/24	08/21/24	EPA 9045D	

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PO Box 1289  
Wellington CO, 80549

Project: Chevron - Clyneke State B36-25, Baker State B36-12  
Project Number: UWRWE-A1712-ABN  
Project Manager: Paul Henchan

**Reported:**  
08/26/24 09:32

**MW2@14'**  
**2408179-04 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BHH0507	08/19/24	08/20/24	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0433	108 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0415	104 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0388	97.0 %	50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BHH0509	08/19/24	08/20/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	8.86	70.9 %	30-150		"	"	"	"	

**PAH by EPA Method 8270D SIM**

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Chevron - Clyneke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
Project Manager: Paul Henchan

**Reported:**  
08/26/24 09:32

**MW2@14'**  
**2408179-04 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHH0495	08/19/24	08/20/24	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0155	46.6 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0201	60.4 %	40-150		"	"	"	"	

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHH0537	08/20/24	08/21/24	EPA 6020B	

**Total Metals by EPA 6020B**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Chevron - Clyncke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
Project Manager: Paul Henchan

**Reported:**  
08/26/24 09:32

**MW2@14'**  
**2408179-04 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	0.311	0.200	mg/kg dry	1	BHH0493	08/19/24	08/20/24	EPA 6020B	
Barium	8.49	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	0.806	0.400	"	"	"	"	"	"	
Lead	1.29	0.200	"	"	"	"	"	"	
Nickel	0.758	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	4.17	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHH0478	08/19/24	08/19/24	EPA 7196A	

**Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	22.2	0.0500	mg/L dry	1	BHH0547	08/20/24	08/22/24	EPA 6020B	
Magnesium	7.36	0.0500	"	"	"	"	"	"	
Sodium	117	0.0500	"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	5.50	0.00100	units	1	BHH0705	08/23/24	08/23/24	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods**

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Fremont Environmental  
 PO Box 1289  
 Wellington CO, 80549

Project: Chevron - Clyneke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
 Project Manager: Paul Henchan

**Reported:**  
 08/26/24 09:32

**MW2@14'**  
**2408179-04 (Soil)**

**Summit Scientific**

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	82.8		%	1	BHH0494	08/19/24	08/19/24	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.675	0.0100	mmhos/cm	1	BHH0548	08/20/24	08/21/24	EPA 120.1	

**Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.92		pH Units	1	BHH0549	08/20/24	08/21/24	EPA 9045D	

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Chevron - Clyncke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
Project Manager: Paul Henchan

**Reported:**  
08/26/24 09:32

**MW3@4'**  
**2408179-05 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BHH0507	08/19/24	08/20/24	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0408	102 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0398	99.4 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0388	96.9 %	50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BHH0509	08/19/24	08/20/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	9.46	75.7 %	30-150		"	"	"	"	

**PAH by EPA Method 8270D SIM**

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Chevron - Clyncke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
Project Manager: Paul Henchan

**Reported:**  
08/26/24 09:32

**MW3@4'**  
**2408179-05 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHH0495	08/19/24	08/20/24	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0172	51.6 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0188	56.3 %	40-150		"	"	"	"	

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHH0537	08/20/24	08/21/24	EPA 6020B	

**Total Metals by EPA 6020B**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Chevron - Clyneke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
Project Manager: Paul Henchan

**Reported:**  
08/26/24 09:32

**MW3@4'**  
**2408179-05 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	1.99	0.200	mg/kg dry	1	BHH0493	08/19/24	08/20/24	EPA 6020B	
Barium	60.1	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	3.37	0.400	"	"	"	"	"	"	
Lead	4.59	0.200	"	"	"	"	"	"	
Nickel	3.63	0.400	"	"	"	"	"	"	
Silver	0.0237	0.0200	"	"	"	"	"	"	
Zinc	13.9	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHH0478	08/19/24	08/19/24	EPA 7196A	

**Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	20.5	0.0500	mg/L dry	1	BHH0547	08/20/24	08/22/24	EPA 6020B	
Magnesium	6.43	0.0500	"	"	"	"	"	"	
Sodium	19.6	0.0500	"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.968	0.00100	units	1	BHH0705	08/23/24	08/23/24	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods**

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Fremont Environmental  
 PO Box 1289  
 Wellington CO, 80549

Project: Chevron - Clyneke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
 Project Manager: Paul Henchan

**Reported:**  
 08/26/24 09:32

**MW3@4'**  
**2408179-05 (Soil)**

**Summit Scientific**

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	90.6		%	1	BHH0494	08/19/24	08/19/24	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.251	0.0100	mmhos/cm	1	BHH0548	08/20/24	08/21/24	EPA 120.1	

**Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.43		pH Units	1	BHH0549	08/20/24	08/21/24	EPA 9045D	

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PO Box 1289  
Wellington CO, 80549

Project: Chevron - Clyneke State B36-25, Baker State B36-12  
Project Number: UWRWE-A1712-ABN  
Project Manager: Paul Henchan

**Reported:**  
08/26/24 09:32

**MW3@14'**  
**2408179-06 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BHH0507	08/19/24	08/20/24	EPA 8260B	
Toluene	ND	0.0050		"	"	"	"	"	"	
Ethylbenzene	ND	0.0050		"	"	"	"	"	"	
Xylenes (total)	ND	0.010		"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
Naphthalene	ND	0.0038		"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50		"	"	"	"	"	"	

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0392	98.1 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0402	100 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0387	96.8 %		50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BHH0509	08/19/24	08/20/24	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	11.0	88.3 %		30-150		"	"	"	"	

**PAH by EPA Method 8270D SIM**

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Chevron - Clyneke State B36-25, Baker State B36-12  
Project Number: UWRWE-A1712-ABN  
Project Manager: Paul Henchan

**Reported:**  
08/26/24 09:32

**MW3@14'**  
**2408179-06 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHH0495	08/19/24	08/20/24	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0161	48.3 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0197	59.1 %	40-150		"	"	"	"	

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHH0537	08/20/24	08/21/24	EPA 6020B	

**Total Metals by EPA 6020B**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Chevron - Clyneke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
Project Manager: Paul Henchan

**Reported:**  
08/26/24 09:32

**MW3@14'**  
**2408179-06 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	0.813	0.179	mg/kg dry	1	BHH0493	08/19/24	08/20/24	EPA 6020B	
Barium	4.35	0.357	"	"	"	"	"	"	
Cadmium	ND	0.179	"	"	"	"	"	"	
Copper	1.04	0.357	"	"	"	"	"	"	
Lead	1.17	0.179	"	"	"	"	"	"	
Nickel	0.865	0.357	"	"	"	"	"	"	
Silver	ND	0.0179	"	"	"	"	"	"	
Zinc	3.47	0.357	"	"	"	"	"	"	
Selenium	ND	0.232	"	"	"	"	"	"	

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHH0478	08/19/24	08/19/24	EPA 7196A	

**Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	51.5	0.0500	mg/L dry	1	BHH0547	08/20/24	08/22/24	EPA 6020B	
Magnesium	19.9	0.0500	"	"	"	"	"	"	
Sodium	81.9	0.0500	"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	2.46	0.00100	units	1	BHH0705	08/23/24	08/23/24	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods**

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Fremont Environmental  
 PO Box 1289  
 Wellington CO, 80549

Project: Chevron - Clyneke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
 Project Manager: Paul Henchan

**Reported:**  
 08/26/24 09:32

**MW3@14'**  
**2408179-06 (Soil)**

**Summit Scientific**

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	86.8		%	1	BHH0494	08/19/24	08/19/24	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **08/16/24 00:00**

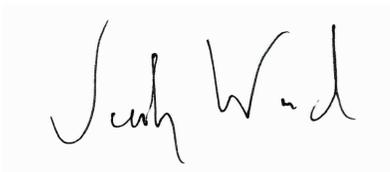
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.473	0.0100	mmhos/cm	1	BHH0548	08/20/24	08/21/24	EPA 120.1	

**Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.86		pH Units	1	BHH0549	08/20/24	08/21/24	EPA 9045D	

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Chevron - Clyncke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
Project Manager: Paul Henchan

**Reported:**  
08/26/24 09:32

**MW4@12'**  
**2408179-07 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BHH0507	08/19/24	08/20/24	EPA 8260B	
Toluene	ND	0.0050		"	"	"	"	"	"	
Ethylbenzene	ND	0.0050		"	"	"	"	"	"	
Xylenes (total)	ND	0.010		"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
Naphthalene	ND	0.0038		"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50		"	"	"	"	"	"	

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0440	110 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0402	100 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0376	93.9 %		50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BHH0509	08/19/24	08/20/24	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	9.49	75.9 %		30-150		"	"	"	"	

**PAH by EPA Method 8270D SIM**

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PO Box 1289  
Wellington CO, 80549

Project: Chevron - Clyneke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
Project Manager: Paul Henchan

**Reported:**  
08/26/24 09:32

**MW4@12'**  
**2408179-07 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHH0495	08/19/24	08/20/24	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0161	48.2 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0194	58.1 %	40-150		"	"	"	"	

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHH0537	08/20/24	08/21/24	EPA 6020B	

**Total Metals by EPA 6020B**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Fremont Environmental  
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Wellington CO, 80549

Project: Chevron - Clyncke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
Project Manager: Paul Henchan

**Reported:**  
08/26/24 09:32

**MW4@12'**  
**2408179-07 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	0.819	0.179	mg/kg dry	1	BHH0493	08/19/24	08/20/24	EPA 6020B	
Barium	10.7	0.357	"	"	"	"	"	"	
Cadmium	ND	0.179	"	"	"	"	"	"	
Copper	1.77	0.357	"	"	"	"	"	"	
Lead	2.29	0.179	"	"	"	"	"	"	
Nickel	1.33	0.357	"	"	"	"	"	"	
Silver	ND	0.0179	"	"	"	"	"	"	
Zinc	6.46	0.357	"	"	"	"	"	"	
Selenium	ND	0.232	"	"	"	"	"	"	

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHH0478	08/19/24	08/19/24	EPA 7196A	

**Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	17.0	0.0500	mg/L dry	1	BHH0547	08/20/24	08/22/24	EPA 6020B	
Magnesium	5.51	0.0500	"	"	"	"	"	"	
Sodium	63.0	0.0500	"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	3.40	0.00100	units	1	BHH0705	08/23/24	08/23/24	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods**

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Fremont Environmental  
 PO Box 1289  
 Wellington CO, 80549

Project: Chevron - Clyneke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
 Project Manager: Paul Henchan

**Reported:**  
 08/26/24 09:32

**MW4@12'**  
**2408179-07 (Soil)**

**Summit Scientific**

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	85.4		%	1	BHH0494	08/19/24	08/19/24	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.432	0.0100	mmhos/cm	1	BHH0548	08/20/24	08/21/24	EPA 120.1	

**Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.27		pH Units	1	BHH0549	08/20/24	08/21/24	EPA 9045D	

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Chevron - Clyncke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
Project Manager: Paul Henchan

**Reported:**  
08/26/24 09:32

**MW4@5'**  
**2408179-08 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	ND	0.0020	mg/kg	1	BHH0507	08/19/24	08/20/24	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4	0.0439	110 %	50-150	"	"	"	"	"	
Surrogate: Toluene-d8	0.0412	103 %	50-150	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0396	99.1 %	50-150	"	"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
C10-C28 (DRO)	ND	50	mg/kg	1	BHH0509	08/19/24	08/20/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: o-Terphenyl	11.0	87.7 %	30-150	"	"	"	"	"	

**PAH by EPA Method 8270D SIM**

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Chevron - Clyncke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
Project Manager: Paul Henchan

**Reported:**  
08/26/24 09:32

**MW4@5'**  
**2408179-08 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHH0495	08/19/24	08/20/24	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0141	42.4 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0167	50.2 %	40-150		"	"	"	"	

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHH0537	08/20/24	08/21/24	EPA 6020B	

**Total Metals by EPA 6020B**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Chevron - Clyncke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
Project Manager: Paul Henchan

**Reported:**  
08/26/24 09:32

**MW4@5'**  
**2408179-08 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Arsenic	2.01	0.200	mg/kg dry	1	BHH0493	08/19/24	08/20/24	EPA 6020B
Barium	57.8	0.400	"	"	"	"	"	"
Cadmium	ND	0.200	"	"	"	"	"	"
Copper	3.24	0.400	"	"	"	"	"	"
Lead	4.74	0.200	"	"	"	"	"	"
Nickel	3.54	0.400	"	"	"	"	"	"
Silver	0.0225	0.0200	"	"	"	"	"	"
Zinc	13.8	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHH0478	08/19/24	08/19/24	EPA 7196A	

**Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	32.1	0.0500	mg/L dry	1	BHH0547	08/20/24	08/22/24	EPA 6020B	
Magnesium	8.55	0.0500	"	"	"	"	"	"	
Sodium	32.2	0.0500	"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	1.30	0.00100	units	1	BHH0705	08/23/24	08/23/24	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods**

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 Wellington CO, 80549

Project: Chevron - Clyneke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
 Project Manager: Paul Henchan

**Reported:**  
 08/26/24 09:32

**MW4@5'**  
**2408179-08 (Soil)**

**Summit Scientific**

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	94.9		%	1	BHH0494	08/19/24	08/19/24	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **08/16/24 00:00**

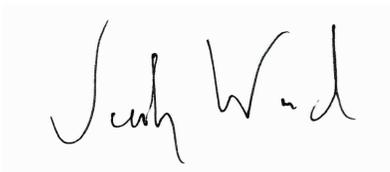
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.408	0.0100	mmhos/cm	1	BHH0548	08/20/24	08/21/24	EPA 120.1	

**Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.25		pH Units	1	BHH0549	08/20/24	08/21/24	EPA 9045D	

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PO Box 1289  
Wellington CO, 80549

Project: Chevron - Clyncke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
Project Manager: Paul Henchan

**Reported:**  
08/26/24 09:32

**MW5@5'**  
**2408179-09 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BHH0507	08/19/24	08/20/24	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0421	105 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0397	99.2 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0379	94.8 %	50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BHH0509	08/19/24	08/20/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	8.30	66.4 %	30-150		"	"	"	"	

**PAH by EPA Method 8270D SIM**

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Chevron - Clyneke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
Project Manager: Paul Henchan

**Reported:**  
08/26/24 09:32

**MW5@5'**  
**2408179-09 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHH0495	08/19/24	08/20/24	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0160	48.1 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0196	58.8 %	40-150		"	"	"	"	

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHH0537	08/20/24	08/21/24	EPA 6020B	

**Total Metals by EPA 6020B**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Chevron - Clyncke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
Project Manager: Paul Henchan

**Reported:**  
08/26/24 09:32

**MW5@5'**  
**2408179-09 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Arsenic	1.82	0.200	mg/kg dry	1	BHH0493	08/19/24	08/20/24	EPA 6020B
Barium	60.1	0.400	"	"	"	"	"	"
Cadmium	ND	0.200	"	"	"	"	"	"
Copper	2.88	0.400	"	"	"	"	"	"
Lead	4.24	0.200	"	"	"	"	"	"
Nickel	3.25	0.400	"	"	"	"	"	"
Silver	0.0217	0.0200	"	"	"	"	"	"
Zinc	12.7	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHH0478	08/19/24	08/19/24	EPA 7196A	

**Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	89.1	0.0500	mg/L dry	1	BHH0547	08/20/24	08/22/24	EPA 6020B	
Magnesium	6.52	0.0500	"	"	"	"	"	"	
Sodium	28.4	0.0500	"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.783	0.00100	units	1	BHH0705	08/23/24	08/23/24	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods**

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Fremont Environmental  
 PO Box 1289  
 Wellington CO, 80549

Project: Chevron - Clyneke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
 Project Manager: Paul Henchan

**Reported:**  
 08/26/24 09:32

**MW5@5'**  
**2408179-09 (Soil)**

**Summit Scientific**

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	89.2		%	1	BHH0494	08/19/24	08/19/24	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.386	0.0100	mmhos/cm	1	BHH0548	08/20/24	08/21/24	EPA 120.1	

**Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.02		pH Units	1	BHH0549	08/20/24	08/21/24	EPA 9045D	

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PO Box 1289  
Wellington CO, 80549

Project: Chevron - Clyncke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
Project Manager: Paul Henchan

**Reported:**  
08/26/24 09:32

**MW5@15'**  
**2408179-10 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BHH0507	08/19/24	08/20/24	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>160</b>	<b>50</b>	"	<b>100</b>	"	"	<b>08/20/24</b>	"	

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0413	103 %	50-150		"	"	08/20/24	"	
Surrogate: Toluene-d8	0.0415	104 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.641	1600 %	50-150		"	"	"	"	S-02

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>C10-C28 (DRO)</b>	<b>360</b>	<b>50</b>	<b>mg/kg</b>	<b>1</b>	<b>BHH0509</b>	<b>08/19/24</b>	<b>08/20/24</b>	<b>EPA 8015M</b>	
<b>C28-C36 (ORO)</b>	<b>53</b>	<b>50</b>	<b>"</b>	<b>"</b>	<b>"</b>	<b>"</b>	<b>"</b>	<b>"</b>	

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	7.77	62.2 %	30-150		"	"	"	"	

**PAH by EPA Method 8270D SIM**

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Wellington CO, 80549

Project: Chevron - Clyneke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
Project Manager: Paul Henchan

**Reported:**  
08/26/24 09:32

**MW5@15'**  
**2408179-10 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHH0495	08/19/24	08/20/24	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
<b>Fluoranthene</b>	<b>0.00743</b>	0.00500	"	"	"	"	"	"	
<b>Fluorene</b>	<b>0.162</b>	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0246	73.7 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0225	67.5 %	40-150		"	"	"	"	

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHH0537	08/20/24	08/21/24	EPA 6020B	

**Total Metals by EPA 6020B**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Fremont Environmental  
PO Box 1289  
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Project: Chevron - Clyneke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
Project Manager: Paul Henchan

**Reported:**  
08/26/24 09:32

**MW5@15'**  
**2408179-10 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	0.223	0.200	mg/kg dry	1	BHH0493	08/19/24	08/20/24	EPA 6020B	
Barium	6.33	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	0.774	0.400	"	"	"	"	"	"	
Lead	1.37	0.200	"	"	"	"	"	"	
Nickel	0.567	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	4.07	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHH0478	08/19/24	08/19/24	EPA 7196A	

**Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	39.8	0.0500	mg/L dry	1	BHH0547	08/20/24	08/22/24	EPA 6020B	
Magnesium	16.3	0.0500	"	"	"	"	"	"	
Sodium	61.9	0.0500	"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	2.09	0.00100	units	1	BHH0705	08/23/24	08/23/24	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods**

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Fremont Environmental  
 PO Box 1289  
 Wellington CO, 80549

Project: Chevron - Clyneke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
 Project Manager: Paul Henchan

**Reported:**  
 08/26/24 09:32

**MW5@15'**  
**2408179-10 (Soil)**

**Summit Scientific**

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	83.0		%	1	BHH0494	08/19/24	08/19/24	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **08/16/24 00:00**

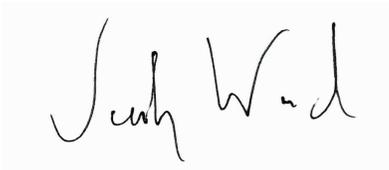
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.615	0.0100	mmhos/cm	1	BHH0548	08/20/24	08/21/24	EPA 120.1	

**Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.04		pH Units	1	BHH0549	08/20/24	08/21/24	EPA 9045D	

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Chevron - Clyneke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
Project Manager: Paul Henchan

**Reported:**  
08/26/24 09:32

**MW1**  
**2408179-11 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BHH0511	08/19/24	08/20/24	EPA 8260B	
Toluene	ND	1.0		"	"	"	"	"	"	
Ethylbenzene	ND	1.0		"	"	"	"	"	"	
Xylenes (total)	ND	2.0		"	"	"	"	"	"	
Naphthalene	ND	1.0		"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0		"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0		"	"	"	"	"	"	

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	12.6	94.4 %		23-173		"	"	"	"	
Surrogate: Toluene-d8	13.3	99.9 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	12.7	95.2 %		21-167		"	"	"	"	

**Anions by EPA Method 300.0**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Chloride	121	0.0600		mg/L	50	BHH0501	08/19/24	08/19/24	EPA 300.0	
Sulfate	324	0.300		"	"	"	"	"	"	

**Total Dissolved Solids by SM2540C**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Total Dissolved Solids	684	10.0		mg/L	1	BHH0496	08/19/24	08/19/24	SM2540C	

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Wellington CO, 80549

Project: Chevron - Clyneke State B36-25, Baker State B36-12  
Project Number: UWRWE-A1712-ABN  
Project Manager: Paul Henchan

**Reported:**  
08/26/24 09:32

**MW2**  
**2408179-12 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BHH0511	08/19/24	08/20/24	EPA 8260B	
Toluene	ND	1.0		"	"	"	"	"	"	
Ethylbenzene	ND	1.0		"	"	"	"	"	"	
Xylenes (total)	ND	2.0		"	"	"	"	"	"	
Naphthalene	ND	1.0		"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0		"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0		"	"	"	"	"	"	

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	12.3	92.3 %		23-173		"	"	"	"	
Surrogate: Toluene-d8	13.5	102 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	13.5	101 %		21-167		"	"	"	"	

**Anions by EPA Method 300.0**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Chloride	127	0.0600		mg/L	50	BHH0501	08/19/24	08/19/24	EPA 300.0	
Sulfate	306	0.300		"	"	"	"	"	"	

**Total Dissolved Solids by SM2540C**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Total Dissolved Solids	761	10.0		mg/L	1	BHH0496	08/19/24	08/19/24	SM2540C	

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Wellington CO, 80549

Project: Chevron - Clyneke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
Project Manager: Paul Henchan

**Reported:**  
08/26/24 09:32

**MW3**  
**2408179-13 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BHH0511	08/19/24	08/20/24	EPA 8260B	
Toluene	ND	1.0		"	"	"	"	"	"	
Ethylbenzene	ND	1.0		"	"	"	"	"	"	
Xylenes (total)	ND	2.0		"	"	"	"	"	"	
Naphthalene	ND	1.0		"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0		"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0		"	"	"	"	"	"	

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	12.2	91.3 %		23-173		"	"	"	"	
Surrogate: Toluene-d8	13.0	97.3 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	12.8	95.9 %		21-167		"	"	"	"	

**Anions by EPA Method 300.0**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Chloride	131	0.0600		mg/L	50	BHH0501	08/19/24	08/19/24	EPA 300.0	
Sulfate	313	0.300		"	"	"	"	"	"	

**Total Dissolved Solids by SM2540C**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Total Dissolved Solids	772	10.0		mg/L	1	BHH0496	08/19/24	08/19/24	SM2540C	

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Project: Chevron - Clyneke State B36-25, Baker State B36-12  
Project Number: UWRWE-A1712-ABN  
Project Manager: Paul Henchan

**Reported:**  
08/26/24 09:32

**MW4**  
**2408179-14 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BHH0511	08/19/24	08/20/24	EPA 8260B	
Toluene	ND	1.0		"	"	"	"	"	"	
Ethylbenzene	ND	1.0		"	"	"	"	"	"	
Xylenes (total)	ND	2.0		"	"	"	"	"	"	
Naphthalene	ND	1.0		"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0		"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0		"	"	"	"	"	"	

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	11.9	89.6 %		23-173		"	"	"	"	
Surrogate: Toluene-d8	13.0	97.7 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	12.2	91.2 %		21-167		"	"	"	"	

**Anions by EPA Method 300.0**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
<b>Chloride</b>	<b>121</b>	0.0600		mg/L	50	BHH0501	08/19/24	08/19/24	EPA 300.0	
<b>Sulfate</b>	<b>349</b>	0.300		"	"	"	"	"	"	

**Total Dissolved Solids by SM2540C**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
<b>Total Dissolved Solids</b>	<b>776</b>	10.0		mg/L	1	BHH0496	08/19/24	08/19/24	SM2540C	

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Project: Chevron - Clyneke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
Project Manager: Paul Henchan

**Reported:**  
08/26/24 09:32

**MW5**  
**2408179-15 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BHH0511	08/19/24	08/20/24	EPA 8260B	
Toluene	ND	1.0		"	"	"	"	"	"	
Ethylbenzene	ND	1.0		"	"	"	"	"	"	
Xylenes (total)	ND	2.0		"	"	"	"	"	"	
Naphthalene	ND	1.0		"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0		"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0		"	"	"	"	"	"	

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	12.5	93.7 %		23-173		"	"	"	"	
Surrogate: Toluene-d8	13.3	100 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	21.1	158 %		21-167		"	"	"	"	

**Anions by EPA Method 300.0**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Chloride	126	0.0600		mg/L	50	BHH0501	08/19/24	08/20/24	EPA 300.0	
Sulfate	239	0.300		"	"	"	"	"	"	

**Total Dissolved Solids by SM2540C**

Date Sampled: **08/16/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Total Dissolved Solids	734	10.0		mg/L	1	BHH0496	08/19/24	08/19/24	SM2540C	

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Wellington CO, 80549

Project: Chevron - Clyncke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
Project Manager: Paul Henchan

**Reported:**  
08/26/24 09:32

### Volatile Organic Compounds by EPA Method 8260B - Quality Control

#### Summit Scientific

Analyte	Reporting			Spike	Source	%REC		RPD		Notes
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	

#### Batch BHH0507 - EPA 5030 Soil MS

##### Blank (BHH0507-BLK1)

Prepared: 08/19/24 Analyzed: 08/20/24

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
1,2,4-Trimethylbenzene	ND	0.0050	"							
1,3,5-Trimethylbenzene	ND	0.0050	"							
Naphthalene	ND	0.0038	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.0442		"	0.0400		110	50-150			
<i>Surrogate: Toluene-d8</i>	0.0395		"	0.0400		98.8	50-150			
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0397		"	0.0400		99.3	50-150			

##### LCS (BHH0507-BS1)

Prepared: 08/19/24 Analyzed: 08/20/24

Benzene	0.0986	0.0020	mg/kg	0.100		98.6	70-130			
Toluene	0.0987	0.0050	"	0.100		98.7	70-130			
Ethylbenzene	0.102	0.0050	"	0.100		102	70-130			
m,p-Xylene	0.198	0.010	"	0.200		99.2	70-130			
o-Xylene	0.0982	0.0050	"	0.100		98.2	70-130			
1,2,4-Trimethylbenzene	0.0968	0.0050	"	0.100		96.8	70-130			
1,3,5-Trimethylbenzene	0.0962	0.0050	"	0.100		96.2	70-130			
Naphthalene	0.0981	0.0038	"	0.100		98.1	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.0417		"	0.0400		104	50-150			
<i>Surrogate: Toluene-d8</i>	0.0397		"	0.0400		99.2	50-150			
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0399		"	0.0400		99.8	50-150			

##### Matrix Spike (BHH0507-MS1)

Source: 2408168-01

Prepared: 08/19/24 Analyzed: 08/20/24

Benzene	0.0899	0.0020	mg/kg	0.100	ND	89.9	70-130			
Toluene	0.0893	0.0050	"	0.100	ND	89.3	70-130			
Ethylbenzene	0.0874	0.0050	"	0.100	ND	87.4	70-130			
m,p-Xylene	0.169	0.010	"	0.200	ND	84.7	70-130			
o-Xylene	0.0844	0.0050	"	0.100	ND	84.4	70-130			
1,2,4-Trimethylbenzene	0.0805	0.0050	"	0.100	ND	80.5	70-130			
1,3,5-Trimethylbenzene	0.0812	0.0050	"	0.100	ND	81.2	70-130			
Naphthalene	0.0840	0.0038	"	0.100	ND	84.0	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.0426		"	0.0400		107	50-150			
<i>Surrogate: Toluene-d8</i>	0.0394		"	0.0400		98.5	50-150			
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0379		"	0.0400		94.6	50-150			

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Wellington CO, 80549

Project: Chevron - Clyncke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
Project Manager: Paul Henchan

**Reported:**  
08/26/24 09:32

### Volatile Organic Compounds by EPA Method 8260B - Quality Control

#### Summit Scientific

Analyte	Reporting			Spike	Source	%REC			RPD	Notes
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	

#### Batch BHH0507 - EPA 5030 Soil MS

##### Matrix Spike Dup (BHH0507-MSD1)

Source: 2408168-01

Prepared: 08/19/24 Analyzed: 08/20/24

Benzene	0.0836	0.0020	mg/kg	0.100	ND	83.6	70-130	7.29	30	
Toluene	0.0819	0.0050	"	0.100	ND	81.9	70-130	8.73	30	
Ethylbenzene	0.0854	0.0050	"	0.100	ND	85.4	70-130	2.36	30	
m,p-Xylene	0.165	0.010	"	0.200	ND	82.4	70-130	2.73	30	
o-Xylene	0.0809	0.0050	"	0.100	ND	80.9	70-130	4.17	30	
1,2,4-Trimethylbenzene	0.0782	0.0050	"	0.100	ND	78.2	70-130	2.84	30	
1,3,5-Trimethylbenzene	0.0784	0.0050	"	0.100	ND	78.4	70-130	3.50	30	
Naphthalene	0.0748	0.0038	"	0.100	ND	74.8	70-130	11.6	30	
Surrogate: 1,2-Dichloroethane-d4	0.0422		"	0.0400		105	50-150			
Surrogate: Toluene-d8	0.0399		"	0.0400		99.8	50-150			
Surrogate: 4-Bromofluorobenzene	0.0403		"	0.0400		101	50-150			

#### Batch BHH0511 - EPA 5030 Water MS

##### Blank (BHH0511-BLK1)

Prepared & Analyzed: 08/19/24

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	2.0	"							
Naphthalene	ND	1.0	"							
1,2,4-Trimethylbenzene	ND	1.0	"							
1,3,5-Trimethylbenzene	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	12.9		"	13.3		96.9	23-173			
Surrogate: Toluene-d8	13.0		"	13.3		97.8	20-170			
Surrogate: 4-Bromofluorobenzene	12.9		"	13.3		96.5	21-167			

##### LCS (BHH0511-BS1)

Prepared & Analyzed: 08/19/24

Benzene	38.1	1.0	ug/l	33.3		114	51-132			
Toluene	38.2	1.0	"	33.3		115	51-138			
Ethylbenzene	40.1	1.0	"	33.3		120	58-146			
m,p-Xylene	75.0	2.0	"	66.7		112	57-144			
o-Xylene	35.6	1.0	"	33.3		107	53-146			
Naphthalene	34.0	1.0	"	33.3		102	70-130			
1,2,4-Trimethylbenzene	36.5	1.0	"	33.3		110	70-130			
1,3,5-Trimethylbenzene	37.7	1.0	"	33.3		113	70-130			
Surrogate: 1,2-Dichloroethane-d4	13.0		"	13.3		97.5	23-173			
Surrogate: Toluene-d8	13.3		"	13.3		100	20-170			
Surrogate: 4-Bromofluorobenzene	12.6		"	13.3		94.3	21-167			

Summit Scientific

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Project: Chevron - Clyncke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
Project Manager: Paul Henchan

**Reported:**  
08/26/24 09:32

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**

**Summit Scientific**

Analyte	Reporting			Spike	Source	%REC		RPD		Notes
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	

**Batch BHH0511 - EPA 5030 Water MS**

**Matrix Spike (BHH0511-MS1)**

Source: 2408177-01

Prepared & Analyzed: 08/19/24

Benzene	36.8	1.0	ug/l	33.3	ND	110	34-141			
Toluene	36.6	1.0	"	33.3	ND	110	27-151			
Ethylbenzene	39.6	1.0	"	33.3	ND	119	29-160			
m,p-Xylene	74.1	2.0	"	66.7	ND	111	20-166			
o-Xylene	35.5	1.0	"	33.3	ND	106	33-159			
Naphthalene	36.6	1.0	"	33.3	ND	110	70-130			
1,2,4-Trimethylbenzene	36.6	1.0	"	33.3	ND	110	70-130			
1,3,5-Trimethylbenzene	37.8	1.0	"	33.3	ND	114	70-130			
Surrogate: 1,2-Dichloroethane-d4	13.2		"	13.3		98.9	23-173			
Surrogate: Toluene-d8	13.4		"	13.3		101	20-170			
Surrogate: 4-Bromofluorobenzene	12.3		"	13.3		92.3	21-167			

**Matrix Spike Dup (BHH0511-MSD1)**

Source: 2408177-01

Prepared & Analyzed: 08/19/24

Benzene	37.3	1.0	ug/l	33.3	ND	112	34-141	1.32	30	
Toluene	37.0	1.0	"	33.3	ND	111	27-151	0.897	30	
Ethylbenzene	40.1	1.0	"	33.3	ND	120	29-160	1.38	30	
m,p-Xylene	75.7	2.0	"	66.7	ND	113	20-166	2.10	30	
o-Xylene	35.6	1.0	"	33.3	ND	107	33-159	0.422	30	
Naphthalene	34.8	1.0	"	33.3	ND	104	70-130	5.16	30	
1,2,4-Trimethylbenzene	37.1	1.0	"	33.3	ND	111	70-130	1.44	30	
1,3,5-Trimethylbenzene	38.1	1.0	"	33.3	ND	114	70-130	0.763	30	
Surrogate: 1,2-Dichloroethane-d4	12.7		"	13.3		95.0	23-173			
Surrogate: Toluene-d8	13.5		"	13.3		101	20-170			
Surrogate: 4-Bromofluorobenzene	12.5		"	13.3		93.5	21-167			

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Fremont Environmental  
 PO Box 1289  
 Wellington CO, 80549

Project: Chevron - Clyncke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
 Project Manager: Paul Henchan

**Reported:**  
 08/26/24 09:32

**Extractable Petroleum Hydrocarbons by 8015 - Quality Control**  
**Summit Scientific**

Analyte	Result	Reporting		Spike Level	Source		%REC		RPD		Notes
		Limit	Units		Result	%REC	Limits	RPD	Limit		

**Batch BHH0509 - EPA 3550A**

**Blank (BHH0509-BLK1)**

Prepared: 08/19/24 Analyzed: 08/20/24

C10-C28 (DRO)	ND	50	mg/kg								
C28-C36 (ORO)	ND	50	"								
Surrogate: <i>o</i> -Terphenyl	11.2		"	12.5		89.5	30-150				

**LCS (BHH0509-BS1)**

Prepared: 08/19/24 Analyzed: 08/20/24

C10-C28 (DRO)	483	50	mg/kg	500		96.6	70-130				
Surrogate: <i>o</i> -Terphenyl	12.0		"	12.5		96.3	30-150				

**Matrix Spike (BHH0509-MS1)**

Source: 2408168-01

Prepared: 08/19/24 Analyzed: 08/20/24

C10-C28 (DRO)	491	50	mg/kg	500	ND	98.2	70-130				
Surrogate: <i>o</i> -Terphenyl	11.2		"	12.5		89.6	30-150				

**Matrix Spike Dup (BHH0509-MSD1)**

Source: 2408168-01

Prepared: 08/19/24 Analyzed: 08/20/24

C10-C28 (DRO)	426	50	mg/kg	500	ND	85.2	70-130	14.2	20		
Surrogate: <i>o</i> -Terphenyl	10.9		"	12.5		87.0	30-150				

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Chevron - Clyncke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
Project Manager: Paul Henchan

**Reported:**  
08/26/24 09:32

**PAH by EPA Method 8270D SIM - Quality Control**

**Summit Scientific**

Analyte	Result	Reporting		Spike	Source	%REC		RPD		Notes
		Limit	Units	Level	Result	%REC	Limits	RPD	Limit	

**Batch BHH0495 - EPA 5030 Soil MS**

**Blank (BHH0495-BLK1)**

Prepared & Analyzed: 08/19/24

Acenaphthene	ND	0.00500	mg/kg							
Anthracene	ND	0.00500	"							
Benzo (a) anthracene	ND	0.00500	"							
Benzo (a) pyrene	ND	0.00500	"							
Benzo (b) fluoranthene	ND	0.00500	"							
Benzo (k) fluoranthene	ND	0.00500	"							
Chrysene	ND	0.00500	"							
Dibenz (a,h) anthracene	ND	0.00500	"							
Fluoranthene	ND	0.00500	"							
Fluorene	ND	0.00500	"							
Indeno (1,2,3-cd) pyrene	ND	0.00500	"							
Pyrene	ND	0.00500	"							
1-Methylnaphthalene	ND	0.00500	"							
2-Methylnaphthalene	ND	0.00500	"							
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0213</i>		"	<i>0.0333</i>		<i>64.0</i>	<i>40-150</i>			
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0226</i>		"	<i>0.0333</i>		<i>67.8</i>	<i>40-150</i>			

**LCS (BHH0495-BS1)**

Prepared & Analyzed: 08/19/24

Acenaphthene	0.0235	0.00500	mg/kg	0.0333		70.4	31-137			
Anthracene	0.0230	0.00500	"	0.0333		69.0	30-120			
Benzo (a) anthracene	0.0235	0.00500	"	0.0333		70.6	30-120			
Benzo (a) pyrene	0.0232	0.00500	"	0.0333		69.5	30-120			
Benzo (b) fluoranthene	0.0339	0.00500	"	0.0333		102	30-120			
Benzo (k) fluoranthene	0.0339	0.00500	"	0.0333		102	30-120			
Chrysene	0.0169	0.00500	"	0.0333		50.7	30-120			
Dibenz (a,h) anthracene	0.0207	0.00500	"	0.0333		62.1	30-120			
Fluoranthene	0.0223	0.00500	"	0.0333		67.0	30-120			
Fluorene	0.0223	0.00500	"	0.0333		66.9	30-120			
Indeno (1,2,3-cd) pyrene	0.0229	0.00500	"	0.0333		68.7	30-120			
Pyrene	0.0232	0.00500	"	0.0333		69.5	35-142			
1-Methylnaphthalene	0.0224	0.00500	"	0.0333		67.1	35-142			
2-Methylnaphthalene	0.0223	0.00500	"	0.0333		66.8	35-142			
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0223</i>		"	<i>0.0333</i>		<i>66.8</i>	<i>40-150</i>			
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0232</i>		"	<i>0.0333</i>		<i>69.5</i>	<i>40-150</i>			

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Chevron - Clyneke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
Project Manager: Paul Henchan

Reported:  
08/26/24 09:32

**PAH by EPA Method 8270D SIM - Quality Control**

**Summit Scientific**

Analyte	Reporting			Spike	Source	%REC			RPD	Notes
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	

**Batch BHH0495 - EPA 5030 Soil MS**

<b>Matrix Spike (BHH0495-MS1)</b>	<b>Source: 2408179-01</b>			<b>Prepared &amp; Analyzed: 08/19/24</b>								
Acenaphthene	0.0216	0.00500	mg/kg	0.0333	ND	64.7	31-137					
Anthracene	0.0214	0.00500	"	0.0333	ND	64.3	30-120					
Benzo (a) anthracene	0.0222	0.00500	"	0.0333	ND	66.6	30-120					
Benzo (a) pyrene	0.0213	0.00500	"	0.0333	ND	64.0	30-120					
Benzo (b) fluoranthene	0.0244	0.00500	"	0.0333	ND	73.2	30-120					
Benzo (k) fluoranthene	0.0183	0.00500	"	0.0333	ND	54.8	30-120					
Chrysene	0.0145	0.00500	"	0.0333	ND	43.6	30-120					
Dibenz (a,h) anthracene	0.0197	0.00500	"	0.0333	ND	59.2	30-120					
Fluoranthene	0.0206	0.00500	"	0.0333	ND	61.7	30-120					
Fluorene	0.0211	0.00500	"	0.0333	ND	63.4	30-120					
Indeno (1,2,3-cd) pyrene	0.0208	0.00500	"	0.0333	ND	62.4	30-120					
Pyrene	0.0222	0.00500	"	0.0333	ND	66.7	35-142					
1-Methylnaphthalene	0.0212	0.00500	"	0.0333	ND	63.6	15-130					
2-Methylnaphthalene	0.0213	0.00500	"	0.0333	ND	63.9	15-130					
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0214</i>		<i>"</i>	<i>0.0333</i>		<i>64.3</i>	<i>40-150</i>					
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0219</i>		<i>"</i>	<i>0.0333</i>		<i>65.7</i>	<i>40-150</i>					

<b>Matrix Spike Dup (BHH0495-MSD1)</b>	<b>Source: 2408179-01</b>			<b>Prepared &amp; Analyzed: 08/19/24</b>								
Acenaphthene	0.0187	0.00500	mg/kg	0.0333	ND	56.2	31-137	14.0	30			
Anthracene	0.0190	0.00500	"	0.0333	ND	57.0	30-120	12.1	30			
Benzo (a) anthracene	0.0208	0.00500	"	0.0333	ND	62.3	30-120	6.65	30			
Benzo (a) pyrene	0.0201	0.00500	"	0.0333	ND	60.3	30-120	5.96	30			
Benzo (b) fluoranthene	0.0366	0.00500	"	0.0333	ND	110	30-120	39.9	30			QR-02
Benzo (k) fluoranthene	0.0271	0.00500	"	0.0333	ND	81.3	30-120	39.1	30			QR-02
Chrysene	0.0110	0.00500	"	0.0333	ND	33.1	30-120	27.4	30			
Dibenz (a,h) anthracene	0.0192	0.00500	"	0.0333	ND	57.7	30-120	2.50	30			
Fluoranthene	0.0190	0.00500	"	0.0333	ND	57.0	30-120	7.89	30			
Fluorene	0.0192	0.00500	"	0.0333	ND	57.7	30-120	9.36	30			
Indeno (1,2,3-cd) pyrene	0.0205	0.00500	"	0.0333	ND	61.6	30-120	1.29	30			
Pyrene	0.0203	0.00500	"	0.0333	ND	61.0	35-142	8.96	30			
1-Methylnaphthalene	0.0185	0.00500	"	0.0333	ND	55.5	15-130	13.5	50			
2-Methylnaphthalene	0.0186	0.00500	"	0.0333	ND	55.7	15-130	13.7	50			
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0186</i>		<i>"</i>	<i>0.0333</i>		<i>55.8</i>	<i>40-150</i>					
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0202</i>		<i>"</i>	<i>0.0333</i>		<i>60.6</i>	<i>40-150</i>					

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Fremont Environmental  
 PO Box 1289  
 Wellington CO, 80549

Project: Chevron - Clyncke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
 Project Manager: Paul Henchan

**Reported:**  
 08/26/24 09:32

**Total Metals by EPA 6020B Hot Water Soluble Extraction - Quality Control**  
**Summit Scientific**

Analyte	Result	Reporting		Spike Level	Source		%REC		RPD		Notes
		Limit	Units		Result	%REC	Limits	RPD	Limit		

**Batch BHH0537 - EPA 3050B**

**Blank (BHH0537-BLK1)**

Prepared: 08/20/24 Analyzed: 08/21/24

Boron ND 2.00 mg/L

**LCS (BHH0537-BS1)**

Prepared: 08/20/24 Analyzed: 08/21/24

Boron 5.63 2.00 mg/L 5.00 113 80-120

**Duplicate (BHH0537-DUP1)**

Source: 2407179-09

Prepared: 08/20/24 Analyzed: 08/21/24

Boron 0.222 2.00 mg/L 0.231 3.61 20

**Matrix Spike (BHH0537-MS1)**

Source: 2407179-09

Prepared: 08/20/24 Analyzed: 08/21/24

Boron 5.56 2.00 mg/L 5.02 0.231 106 75-125

**Matrix Spike Dup (BHH0537-MSD2)**

Source: 2407179-09

Prepared: 08/20/24 Analyzed: 08/21/24

Boron 5.28 2.00 mg/L 5.02 0.231 101 75-125 5.14 25

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Chevron - Clyneke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
Project Manager: Paul Henchan

**Reported:**  
08/26/24 09:32

**Total Metals by EPA 6020B - Quality Control**  
**Summit Scientific**

Analyte	Result	Reporting		Spike Level	Source Result	%REC		RPD		Notes
		Limit	Units			%REC	Limits	RPD	Limit	

**Batch BHH0493 - EPA 3050B**

**Blank (BHH0493-BLK1)**

Prepared: 08/19/24 Analyzed: 08/20/24

Arsenic	ND	0.200	mg/kg wet							
Barium	ND	0.400	"							
Cadmium	ND	0.200	"							
Copper	ND	0.400	"							
Lead	ND	0.200	"							
Nickel	ND	0.400	"							
Silver	ND	0.0200	"							
Zinc	ND	0.400	"							
Selenium	ND	0.260	"							

**LCS (BHH0493-BS1)**

Prepared: 08/19/24 Analyzed: 08/20/24

Arsenic	35.3	0.200	mg/kg wet	37.3	94.6	80-120
Barium	36.2	0.400	"	37.3	96.9	80-120
Cadmium	1.86	0.200	"	1.87	99.8	80-120
Copper	39.7	0.400	"	37.3	106	80-120
Lead	18.3	0.200	"	18.7	97.8	80-120
Nickel	38.8	0.400	"	37.3	104	80-120
Silver	1.88	0.0200	"	1.87	101	80-120
Zinc	38.7	0.400	"	37.3	104	80-120
Selenium	3.45	0.260	"	3.73	92.5	80-120

**Duplicate (BHH0493-DUP1)**

Source: 2408179-01

Prepared: 08/19/24 Analyzed: 08/20/24

Arsenic	2.22	0.200	mg/kg dry	2.20	0.920	20
Barium	63.8	0.400	"	61.9	3.17	20
Cadmium	0.115	0.200	"	0.114	1.13	20
Copper	3.23	0.400	"	3.09	4.45	20
Lead	4.82	0.200	"	4.64	3.86	20
Nickel	3.66	0.400	"	3.49	4.61	20
Silver	0.0353	0.0200	"	0.0340	3.74	20
Zinc	13.2	0.400	"	12.9	2.36	20
Selenium	ND	0.260	"	ND		20

Summit Scientific

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Fremont Environmental  
 PO Box 1289  
 Wellington CO, 80549

Project: Chevron - Clyncke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
 Project Manager: Paul Henchan

**Reported:**  
 08/26/24 09:32

**Total Metals by EPA 6020B - Quality Control**  
**Summit Scientific**

Analyte	Reporting			Spike	Source		%REC		RPD		Notes
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit		

**Batch BHH0493 - EPA 3050B**

<b>Matrix Spike (BHH0493-MS1)</b>	<b>Source: 2408179-01</b>			<b>Prepared: 08/19/24 Analyzed: 08/20/24</b>								
Arsenic	37.4	0.200	mg/kg dry	40.0	2.20	88.0	75-125					
Barium	98.6	0.400	"	40.0	61.9	91.9	75-125					
Cadmium	2.04	0.200	"	2.00	0.114	96.5	75-125					
Copper	28.0	0.400	"	40.0	3.09	62.2	75-125					QM-05
Lead	23.5	0.200	"	20.0	4.64	94.1	75-125					
Nickel	28.5	0.400	"	40.0	3.49	62.6	75-125					QM-05
Silver	1.90	0.0200	"	2.00	0.0340	93.2	75-125					
Zinc	38.3	0.400	"	40.0	12.9	63.4	75-125					QM-05
Selenium	3.05	0.260	"	4.00	ND	76.3	75-125					

<b>Matrix Spike Dup (BHH0493-MSD1)</b>	<b>Source: 2408179-01</b>			<b>Prepared: 08/19/24 Analyzed: 08/20/24</b>								
Arsenic	37.4	0.200	mg/kg dry	40.0	2.20	88.0	75-125	0.0609	25			
Barium	91.2	0.400	"	40.0	61.9	73.4	75-125	7.83	25			QM-07
Cadmium	1.97	0.200	"	2.00	0.114	92.7	75-125	3.77	25			
Copper	29.3	0.400	"	40.0	3.09	65.5	75-125	4.68	25			QM-05
Lead	22.6	0.200	"	20.0	4.64	90.1	75-125	3.51	25			
Nickel	29.6	0.400	"	40.0	3.49	65.4	75-125	3.83	25			QM-05
Silver	1.88	0.0200	"	2.00	0.0340	92.1	75-125	1.14	25			
Zinc	38.5	0.400	"	40.0	12.9	63.9	75-125	0.538	25			QM-05
Selenium	3.20	0.260	"	4.00	ND	80.1	75-125	4.94	25			

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Chevron - Clyneke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
Project Manager: Paul Henchan

**Reported:**  
08/26/24 09:32

**Hexavalent Chromium by EPA Method 7196 - Quality Control**  
**Summit Scientific**

Analyte	Reporting			Spike	Source		%REC		RPD		Notes
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit		

**Batch BHH0478 - 3060A Mod**

**Blank (BHH0478-BLK1)**

Prepared & Analyzed: 08/19/24

Chromium, Hexavalent      ND      0.30    mg/kg wet

**LCS (BHH0478-BS1)**

Prepared & Analyzed: 08/19/24

Chromium, Hexavalent      25.0      0.30    mg/kg wet      25.0      100      80-120

**Duplicate (BHH0478-DUP1)**

**Source: 2408141-01**

Prepared & Analyzed: 08/19/24

Chromium, Hexavalent      ND      0.30    mg/kg dry      ND      20

**Matrix Spike (BHH0478-MS1)**

**Source: 2408141-01**

Prepared & Analyzed: 08/19/24

Chromium, Hexavalent      28.6      0.30    mg/kg dry      29.1      ND      98.2      75-125

**Matrix Spike Dup (BHH0478-MSD1)**

**Source: 2408141-01**

Prepared & Analyzed: 08/19/24

Chromium, Hexavalent      27.8      0.30    mg/kg dry      29.1      ND      95.6      75-125      2.68      20

Summit Scientific

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Fremont Environmental  
 PO Box 1289  
 Wellington CO, 80549

Project: Chevron - Clyneke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
 Project Manager: Paul Henchan

**Reported:**  
 08/26/24 09:32

**Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction - Quality Control**

**Summit Scientific**

Analyte	Result	Reporting		Spike Level	Source Result	%REC		RPD		Notes
		Limit	Units			%REC	Limits	RPD	Limit	

**Batch BHH0547 - General Preparation**

**Blank (BHH0547-BLK1)**

Prepared: 08/20/24 Analyzed: 08/22/24

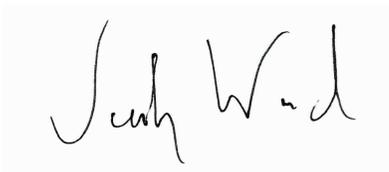
Calcium	ND	0.0500	mg/L wet							
Magnesium	ND	0.0500	"							
Sodium	ND	0.0500	"							

**LCS (BHH0547-BS1)**

Prepared: 08/20/24 Analyzed: 08/22/24

Calcium	4.96	0.0500	mg/L wet	5.00	99.2	70-130				
Magnesium	4.89	0.0500	"	5.00	97.8	70-130				
Sodium	4.78	0.0500	"	5.00	95.6	70-130				

Summit Scientific



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Fremont Environmental  
 PO Box 1289  
 Wellington CO, 80549

Project: Chevron - Clyncke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
 Project Manager: Paul Henchan

**Reported:**  
 08/26/24 09:32

**Anions by EPA Method 300.0 - Quality Control**  
**Summit Scientific**

Analyte	Result	Reporting		Spike Level	Source		%REC		RPD		Notes
		Limit	Units		Result	%REC	Limits	RPD	Limit		

**Batch BHH0501 - General Preparation**

**Blank (BHH0501-BLK1)**

Prepared & Analyzed: 08/19/24

Chloride	ND	0.0600	mg/L							
Sulfate	ND	0.300	"							

**LCS (BHH0501-BS1)**

Prepared & Analyzed: 08/19/24

Chloride	2.93	0.0600	mg/L	3.00	97.6	90-110				
Sulfate	14.6	0.300	"	15.0	97.2	90-110				

**Duplicate (BHH0501-DUP1)**

Source: 2408160-01

Prepared & Analyzed: 08/19/24

Chloride	511	0.0600	mg/L		522		2.25	20		
Sulfate	715	0.300	"		732		2.33	20		

**Matrix Spike (BHH0501-MS1)**

Source: 2408160-01

Prepared & Analyzed: 08/19/24

Chloride	658	0.0600	mg/L	600	522	22.6	80-120			QM-05
Sulfate	1430	0.300	"	3000	732	23.3	80-120			QM-05

Summit Scientific

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Fremont Environmental  
 PO Box 1289  
 Wellington CO, 80549

Project: Chevron - Clyneke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
 Project Manager: Paul Henchan

**Reported:**  
 08/26/24 09:32

**Physical Parameters by APHA/ASTM/EPA Methods - Quality Control**

**Summit Scientific**

Analyte	Result	Reporting		Spike Level	Source Result	%REC		RPD		Notes
		Limit	Units			Limit	Limits	RPD	Limit	

**Batch BHH0494 - General Preparation**

**Duplicate (BHH0494-DUP1)**

**Source: 2408168-01**

Prepared & Analyzed: 08/19/24

% Solids	77.5		%		77.4			0.169	20	
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Summit Scientific



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Fremont Environmental  
 PO Box 1289  
 Wellington CO, 80549

Project: Chevron - Clyncke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
 Project Manager: Paul Henchan

**Reported:**  
 08/26/24 09:32

**Total Dissolved Solids by SM2540C - Quality Control**

**Summit Scientific**

Analyte	Result	Reporting		Spike	Source	%REC			RPD	Notes
		Limit	Units	Level	Result	%REC	Limits	RPD	Limit	

**Batch BHH0496 - General Preparation**

**Blank (BHH0496-BLK1)**

Prepared & Analyzed: 08/19/24

Total Dissolved Solids                      ND                      10.0                      mg/L

**Duplicate (BHH0496-DUP1)**

**Source: 2408158-01**

Prepared & Analyzed: 08/19/24

Total Dissolved Solids                      1730                      10.0                      mg/L                      1800                      3.51                      20

Summit Scientific

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Fremont Environmental  
 PO Box 1289  
 Wellington CO, 80549

Project: Chevron - Clyneke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
 Project Manager: Paul Henchan

**Reported:**  
 08/26/24 09:32

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction - Quality Control**

**Summit Scientific**

Analyte	Result	Reporting		Spike Level	Source Result	%REC		RPD		Notes
		Limit	Units			%REC	Limits	RPD	Limit	

**Batch BHH0548 - General Preparation**

**Blank (BHH0548-BLK1)**

Prepared: 08/20/24 Analyzed: 08/21/24

Specific Conductance (EC) ND 0.0100 mmhos/cm

**LCS (BHH0548-BS1)**

Prepared: 08/20/24 Analyzed: 08/21/24

Specific Conductance (EC) 0.155 0.0100 mmhos/cm 0.150 104 95-105

**Duplicate (BHH0548-DUP1)**

**Source: 2408179-01**

Prepared: 08/20/24 Analyzed: 08/21/24

Specific Conductance (EC) 0.264 0.0100 mmhos/cm 0.268 1.65 20

Summit Scientific



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Fremont Environmental  
 PO Box 1289  
 Wellington CO, 80549

Project: Chevron - Clyneke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
 Project Manager: Paul Henchan

**Reported:**  
 08/26/24 09:32

**Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction - Quality Control**

**Summit Scientific**

Analyte	Result	Reporting		Spike	Source	%REC		RPD		Notes
		Limit	Units	Level	Result	%REC	Limits	RPD	Limit	

**Batch BHH0549 - General Preparation**

**LCS (BHH0549-BS1)**

Prepared: 08/20/24 Analyzed: 08/21/24

pH	9.08	pH Units	9.18	98.9	95-105
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**Duplicate (BHH0549-DUP1)**

Source: 2408179-01

Prepared: 08/20/24 Analyzed: 08/21/24

pH	8.22	pH Units	8.36	1.69	20
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Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Chevron - Clyncke State B36-25, Baker State B36-12

Project Number: UWRWE-A1712-ABN  
Project Manager: Paul Henchan

**Reported:**  
08/26/24 09:32

### Notes and Definitions

- S-02 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
- QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS/LCSD recovery.
- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The associated LCS and/or LCSD were within acceptance limits, therefore the data are considered valid.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference