

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

August 26, 2024

Paul Henchan

Fremont Environmental

PO Box 1289

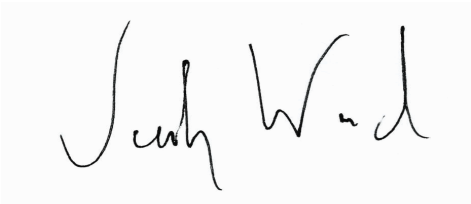
Wellington, CO 80549

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 black ink, appearing to read "Jacob Wood". The signature is written in a cursive, flowing style.

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

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

Lab ID	Page 1 of 6
2408179	

Send Data To:		Send Invoice To:
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>

				Preservative				Matrix				Analysis Requested								Special Instructions
ID	Sample Description	Date Sampled	Time Sampled	# 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: 8/16/24 1610	Received by: <u>Summit North Office</u>	Date/Time: 8/16/24 1610	TAT Business Days	Field DO	Notes:
Relinquished by: 92	Date/Time: 8/16/24 1640	Received by: <u>[Signature]</u>	Date/Time: 8/16/24 1640	Same Day	Field EC	
				1 Day	Field ORP	
				2 Days	Field pH	
				3 Days	Field Temp.	
Relinquished by:	Date/Time:	Received by:	Date/Time:	Standard	X Field Turb.	
Temperature Upon Receipt: 11.1	Corrected Temperature: 0	IR gun #: 1	HNO3 lot #:			

S₂

Sample Receipt Checklist

S2 Work Order# 2408179Client: FremontClient Project ID: Clyde State B36-25
Baker State B36-12Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other ☐Airbill #:

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Matrix (Check all that apply)

Air ☐Soil/Solid ☒Water ☒Other ☐Temp (°C) 11.1Thermometer # 1

	Yes	No	N/A	Comments (if any)
If samples require cooling, is the temperature < 6°C? ⁽¹⁾ 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? ⁽¹⁾	<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 ²⁺), Hexavalent Chromium (Cr ⁶⁺ , 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? ⁽¹⁾	<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? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC? ⁽¹⁾	<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)? ⁽¹⁾ Note the type of preservative in the comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , etc.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	HCl
If samples are acid preserved for metals, is the pH ≤ 2? ⁽¹⁾ 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"/>	
<u>Additional Comments (if any):</u>				

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

Custodian Printed Name

8/18/24
Date/Time



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

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	0.0413	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		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	11.4	91.1 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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

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08/26/24 09:32

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2408179-01 (Soil)

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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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MW1@5'
2408179-01 (Soil)

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Total Metals by EPA 6020B

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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Project Number: UWRWE-A1712-ABN
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08/26/24 09:32

MW1@5'
2408179-01 (Soil)

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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 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	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	0.0432	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	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	10.0	80.4 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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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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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

Total Metals by EPA 6020B

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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Project Number: UWRWE-A1712-ABN
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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 - 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

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	0.0429	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	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	8.09	64.7 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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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

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)

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Total Metals by EPA 6020B

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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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	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	0.0433	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	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	8.86	70.9 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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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

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 - 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

Total Metals by EPA 6020B

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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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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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

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	0.0408	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	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	9.46	75.7 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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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

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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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

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

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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	

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

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

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

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

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

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

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	

Summit Scientific

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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

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

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

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
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

Total Metals by EPA 6020B

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

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

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 - 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

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	0.0439	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	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	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 - 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

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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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

MW4@5'
2408179-08 (Soil)

Summit Scientific

Total Metals by EPA 6020B

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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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@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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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

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	0.0421	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	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	8.30	66.4 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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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@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 - 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

Total Metals by EPA 6020B

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
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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@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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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

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	160	50	"	100	"	"	08/20/24	"	

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
C10-C28 (DRO)	360	50	mg/kg	1	BHH0509	08/19/24	08/20/24	EPA 8015M	
C28-C36 (ORO)	53	50	"	"	"	"	"	"	

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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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	"	"	"	"	"	"	
Fluoranthene	0.00743	0.00500	"	"	"	"	"	"	
Fluorene	0.162	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
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

Total Metals by EPA 6020B

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

Summit Scientific

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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

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	

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

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	

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
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	

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

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	

Summit Scientific

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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
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							
Chloride	121	0.0600	mg/L	50	BHH0501	08/19/24	08/19/24	EPA 300.0	
Sulfate	349	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	776	10.0	mg/L	1	BHH0496	08/19/24	08/19/24	SM2540C	

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
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	

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

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

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	"							
Surrogate: 1,2-Dichloroethane-d4	0.0442		"	0.0400		110	50-150			
Surrogate: Toluene-d8	0.0395		"	0.0400		98.8	50-150			
Surrogate: 4-Bromofluorobenzene	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			
Surrogate: 1,2-Dichloroethane-d4	0.0417		"	0.0400		104	50-150			
Surrogate: Toluene-d8	0.0397		"	0.0400		99.2	50-150			
Surrogate: 4-Bromofluorobenzene	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			
Surrogate: 1,2-Dichloroethane-d4	0.0426		"	0.0400		107	50-150			
Surrogate: Toluene-d8	0.0394		"	0.0400		98.5	50-150			
Surrogate: 4-Bromofluorobenzene	0.0379		"	0.0400		94.6	50-150			

Summit Scientific

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Fremont Environmental
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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

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

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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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

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

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		

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

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

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: o-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: o-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: o-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: o-Terphenyl	10.9		"	12.5		87.0	30-150			

Summit Scientific

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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

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Reporting			Spike		Source		%REC		RPD	
	Result	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	"

Surrogate: 2-Methylnaphthalene-d10	0.0213	"	0.0333	64.0	40-150
Surrogate: Fluoranthene-d10	0.0226	"	0.0333	67.8	40-150

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

Surrogate: 2-Methylnaphthalene-d10	0.0223	"	0.0333	66.8	40-150
Surrogate: Fluoranthene-d10	0.0232	"	0.0333	69.5	40-150

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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	
	Result	Limit	Units	Level		Result		%REC	Limits	RPD	Notes

Batch BHH0495 - EPA 5030 Soil MS

Matrix Spike (BHH0495-MS1)

Source: 2408179-01

Prepared & Analyzed: 08/19/24

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		
Surrogate: 2-Methylnaphthalene-d10	0.0214		"	0.0333		64.3	40-150		
Surrogate: Fluoranthene-d10	0.0219		"	0.0333		65.7	40-150		

Matrix Spike Dup (BHH0495-MSD1)

Source: 2408179-01

Prepared & Analyzed: 08/19/24

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	
Surrogate: 2-Methylnaphthalene-d10	0.0186		"	0.0333		55.8	40-150			
Surrogate: Fluoranthene-d10	0.0202		"	0.0333		60.6	40-150			

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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 Hot Water Soluble Extraction - Quality Control
Summit Scientific

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

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

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

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	62.2	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

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

Batch BHH0493 - EPA 3050B

Matrix Spike (BHH0493-MS1)		Source: 2408179-01			Prepared: 08/19/24 Analyzed: 08/20/24					
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			

Matrix Spike Dup (BHH0493-MSD1)		Source: 2408179-01			Prepared: 08/19/24 Analyzed: 08/20/24					
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	

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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	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

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		%REC		RPD	
		Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

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

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

Summit Scientific

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

Batch BHH0494 - General Preparation

Duplicate (BHH0494-DUP1)	Source: 2408168-01			Prepared & Analyzed: 08/19/24						
% Solids	77.5		%		77.4			0.169	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

Total Dissolved Solids by SM2540C - Quality Control
Summit Scientific

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

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		%REC		RPD	
		Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

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 Level	Source		%REC		RPD	
		Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

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 - Clyneke 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