

# Summit Scientific

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4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

June 14, 2025

Paul Henchan  
Fremont Environmental  
PO Box 1289  
Wellington, CO 80549  
RE: Chevron - BB03 Econode  
Work Order #2502522

Enclosed are the results of analyses for samples received by Summit Scientific on 02/28/25 16:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Natalie Tessier For Paul Shrewsbury  
President

**Please Note - Out-of-Hold Results Included:**

The 8260B GBTEXN 915 analyses were analyzed outside of allotted holding times due to delays at Summit Scientific.



Fremont Environmental  
 PO Box 1289  
 Wellington CO, 80549

Project: Chevron - BB03 Econode

Project Number: [none]  
 Project Manager: Paul Henchan

**Reported:**  
 06/14/25 11:50

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SVE-1 8Ft	2502522-01	Soil	02/28/25 16:30	02/28/25 16:30
SVE-2 8Ft	2502522-02	Soil	02/28/25 16:30	02/28/25 16:30
SVE-3 8Ft	2502522-03	Soil	02/28/25 16:30	02/28/25 16:30
SVE-4 8Ft	2502522-04	Soil	02/28/25 16:30	02/28/25 16:30
SVE-5 8Ft	2502522-05	Soil	02/28/25 16:30	02/28/25 16:30
SVE-6 8Ft	2502522-06	Soil	02/28/25 16:30	02/28/25 16:30
SVE-7 8Ft	2502522-07	Soil	02/28/25 16:30	02/28/25 16:30
SVE-8 8Ft	2502522-08	Soil	02/28/25 16:30	02/28/25 16:30

**Case Narrative**

The 8260B GBTEXN 915 analyses were completed outside of allotted holding times due to delays at Summit Scientific.

This report has been revised to include the proper hold-time qualifiers.

This is a revision of the report originally sent on 04/14/2025 at 10:21am MT.

# SUMMIT SCIENTIFIC

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

Lab ID	Page 1 of 1
2502522	

Client: <b>FREMONT</b>	Project Manager: <b>HENEHAN</b>	Company: <b>CHEVRON</b>
Address:	E-Mail:	Project Name/Location: <b>B303 ECONORE</b>
City/State/Zip:	Project Name: <b>B303 ECONORE</b>	AFE#:
Phone:	Project Number:	PO/Billing Codes:
Sampler Name: <b>HENEHAN</b>		Contact:

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative			Matrix			Analysis Requested	Special Instructions	
					HCl	HNO3	None	Other	Water	Soil			Air-Canister #
1	SVE-1 8 FT	2/28/25		2									
2	SVE-2 8 FT												
3	SVE-3 8 FT												
4	SVE-4 8 FT												
5	SVE-5 8 FT												
6	SVE-6 8 FT												
7	SVE-7 8 FT												
8	SVE-8 8 FT												
9													
10													
11													
12													
13													
14													
15													

Full 915-15-25

Relinquished by: <b>[Signature]</b>	Date/Time: <b>2/28/25 1400</b>	Received by: <b>[Signature]</b>	Date/Time: <b>2/28/25 1430</b>	TAT Business Days	Field DO	Notes:
Relinquished by: <b>[Signature]</b>	Date/Time: <b>2/28/25 11030</b>	Received by: <b>[Signature]</b>	Date/Time: <b>2/28/25 1430</b>	Same Day	Field EC	
Relinquished by:	Date/Time:	Received by:	Date/Time:	1 Day	Field ORP	
Relinquished by:	Date/Time:	Received by:	Date/Time:	2 Days	Field pH	
Relinquished by:	Date/Time:	Received by:	Date/Time:	3 Days	Field Temp.	
Temperature Upon Receipt: <b>5.7</b>	Corrected Temperature: <b>6</b>	IR g m #:		Standard	Field Turb.	
					HNO3 lot #:	

# S<sub>2</sub>

S2 Work Order# 2502522

## Sample Receipt Checklist

Client: Fremont Client Project ID: BB03 EconadeReceived Via: H.D./P.U./FedEx/UPS/USPS/Other  Airbill #: \_\_\_\_\_Matrix (Circle all that apply) Air/Soil/Water/Other  Temp (°C) 5.7 Thermometer # 1Bottle ware (Circle all that apply) Glass Jar/Voa/Amber/Poly/Other 

	Yes	No	N/A	Comments (if any)
If samples require cooling, is the temperature < 6°C? <sup>(1)</sup> <b>NOTE:</b> If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	-			<u>note</u>
If custody seals are present, are they intact? <sup>(1)</sup>	-			
Are samples due within 48 hours?		-		
Are water samples with short hold times present? Note the short hold analysis in the comments column - pH, Nitrate/Nitrite, Ferrous Iron (Fe <sup>2+</sup> ), Hexavalent Chromium (Cr <sup>6+</sup> , Cr VI), COD, Total Residual Chlorine (TRC)		-		
Is a chain-of-custody (COC) form present and filled out Completely? <sup>(1)</sup>	-			
Is the COC properly relinquished by the client w/ date and time recorded? <sup>(1)</sup>	-			
Were all samples received intact? <sup>(1)</sup>	-			
Was adequate sample volume provided? <sup>(1)</sup>	-			
Were samples provided in appropriate bottle ware?	-			
Does the COC agree with the number and type of sample bottles received? <sup>(1)</sup>	-			
Do the sample IDs on the bottle labels match the COC? <sup>(1)</sup>	-			
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.			-	
Are any samples/bottles preserved (excluding cooling)? <sup>(1)</sup> Note the type of preservative in the comments column – HCl, H <sub>2</sub> SO <sub>4</sub> , NaOH, HNO <sub>3</sub> , etc.			-	
If samples are acid preserved for metals, is the pH ≤ 2? <sup>(1)</sup> Record the pH in Comments.			-	
If dissolved metals are requested, were samples field filtered?			-	
Are there requested analysis that cannot be performed by S2? Note analysis in the comments column		-		
<u>Additional Comments (if any):</u>  				
<sup>(1)</sup> If NO, then contact the client before proceeding with analysis and note in case narrative.				

Control Form #: SRC-001

SN  
Custodian Printed Name2/28/25  
Date/Time



Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Chevron - BB03 Econode

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
06/14/25 11:50

**SVE-1 8Ft**  
**2502522-01 (Soil)**

Summit Scientific

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

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BIC0734	03/13/25	04/06/25	EPA 8260B	I-02
Toluene	ND	0.0050		"	"	"	"	"	"	I-02
Ethylbenzene	ND	0.0050		"	"	"	"	"	"	I-02
Xylenes (total)	ND	0.010		"	"	"	"	"	"	I-02
1,2,4-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	I-02
1,3,5-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	I-02
Naphthalene	ND	0.0038		"	"	"	"	"	"	I-02
Gasoline Range Hydrocarbons	ND	0.50		"	"	"	"	"	"	I-02

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0434	109 %		50-150		"	"	"	"	I-02
Surrogate: Toluene-d8	0.0398	99.6 %		50-150		"	"	"	"	I-02
Surrogate: 4-Bromofluorobenzene	0.0409	102 %		50-150		"	"	"	"	I-02

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BIC0737	03/13/25	04/03/25	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	12.0	95.9 %		50-140		"	"	"	"	

**PAH by EPA Method 8270E SIM**

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PO Box 1289  
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Project: Chevron - BB03 Econode

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
06/14/25 11:50

**SVE-1 8Ft**  
**2502522-01 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270E SIM**

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BIC0743	03/13/25	03/21/25	EPA 8270E 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: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0174	52.1 %	40-140		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0172	51.6 %	40-140		"	"	"	"	

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

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L dry	1	BIC1072	03/18/25	03/25/25	EPA 6020B	

**Total Metals by EPA 6020B**

Date Sampled: **02/28/25 16:30**

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 - BB03 Econode

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
06/14/25 11:50

**SVE-1 8Ft**  
**2502522-01 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	0.486	0.200	mg/kg dry	1	BIC1582	03/26/25	04/13/25	EPA 6020B	
Barium	49.5	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	0.622	0.400	"	"	"	"	"	"	
Lead	13.4	0.200	"	"	"	"	"	"	
Nickel	0.774	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	2.64	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BIC0346	03/06/25	03/09/25	EPA 7196A	

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

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	136	0.0500	mg/L dry	1	BIC1478	03/24/25	03/27/25	EPA 6020B	
Magnesium	25.4	0.0500	"	"	"	"	"	"	
Sodium	4.71	0.0500	"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.0972	0.00100	units	1	BIC1731	03/28/25	03/28/25	Calculation	

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

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Fremont Environmental  
 PO Box 1289  
 Wellington CO, 80549

Project: Chevron - BB03 Econode

Project Number: [none]  
 Project Manager: Paul Henchan

**Reported:**  
 06/14/25 11:50

**SVE-1 8Ft  
 2502522-01 (Soil)**

**Summit Scientific**

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

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	96.1		%	1	BIC0065	03/03/25	03/03/25	Calculation	

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

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.0962	0.0100	mmhos/cm	1	BIC1480	03/24/25	03/25/25	EPA 120.1	

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

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.57		pH Units	1	BIC1479	03/24/25	03/25/25	EPA 9045D	

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Chevron - BB03 Econode

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
06/14/25 11:50

**SVE-2 8Ft**  
**2502522-02 (Soil)**

**Summit Scientific**

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

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BIC0734	03/13/25	04/06/25	EPA 8260B	I-02
Toluene	ND	0.0050		"	"	"	"	"	"	I-02
Ethylbenzene	ND	0.0050		"	"	"	"	"	"	I-02
Xylenes (total)	ND	0.010		"	"	"	"	"	"	I-02
1,2,4-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	I-02
1,3,5-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	I-02
Naphthalene	ND	0.0038		"	"	"	"	"	"	I-02
Gasoline Range Hydrocarbons	ND	0.50		"	"	"	"	"	"	I-02

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0442	110 %		50-150		"	"	"	"	I-02
Surrogate: Toluene-d8	0.0406	101 %		50-150		"	"	"	"	I-02
Surrogate: 4-Bromofluorobenzene	0.0410	103 %		50-150		"	"	"	"	I-02

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BIC0737	03/13/25	04/03/25	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	9.75	78.0 %		50-140		"	"	"	"	

**PAH by EPA Method 8270E SIM**

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Project: Chevron - BB03 Econode

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
06/14/25 11:50

**SVE-2 8Ft**  
**2502522-02 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270E SIM**

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BIC0743	03/13/25	03/21/25	EPA 8270E 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: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0206	61.7 %	40-140		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0200	60.0 %	40-140		"	"	"	"	

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

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L dry	1	BIC1072	03/18/25	03/25/25	EPA 6020B	

**Total Metals by EPA 6020B**

Date Sampled: **02/28/25 16:30**

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

Project: Chevron - BB03 Econode

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
06/14/25 11:50

**SVE-2 8Ft**  
**2502522-02 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	0.489	0.200	mg/kg dry	1	BIC1583	03/26/25	04/11/25	EPA 6020B	
Barium	43.1	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	0.528	0.400	"	"	"	"	"	"	
Lead	2.28	0.200	"	"	"	"	"	"	
Nickel	0.697	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	2.44	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BIC0346	03/06/25	03/09/25	EPA 7196A	

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

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	77.4	0.0500	mg/L dry	1	BIC1478	03/24/25	03/28/25	EPA 6020B	
Magnesium	15.6	0.0500	"	"	"	"	"	"	
Sodium	6.62	0.0500	"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.180	0.00100	units	1	BIC1731	03/28/25	03/28/25	Calculation	

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

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 PO Box 1289  
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Project: Chevron - BB03 Econode

Project Number: [none]  
 Project Manager: Paul Henchan

**Reported:**  
 06/14/25 11:50

**SVE-2 8Ft**  
**2502522-02 (Soil)**

**Summit Scientific**

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

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	96.2		%	1	BIC0065	03/03/25	03/03/25	Calculation	

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

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.0620	0.0100	mmhos/cm	1	BIC1480	03/24/25	03/25/25	EPA 120.1	

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

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.14		pH Units	1	BIC1479	03/24/25	03/25/25	EPA 9045D	

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Fremont Environmental  
PO Box 1289  
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Project: Chevron - BB03 Econode

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
06/14/25 11:50

**SVE-3 8Ft**  
**2502522-03 (Soil)**

**Summit Scientific**

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

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	ND	0.0020	mg/kg	1	BIC0734	03/13/25	04/06/25	EPA 8260B	I-02
Toluene	ND	0.0050	"	"	"	"	"	"	I-02
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	I-02
Xylenes (total)	ND	0.010	"	"	"	"	"	"	I-02
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	I-02
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	I-02
Naphthalene	ND	0.0038	"	"	"	"	"	"	I-02
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	I-02

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4	0.0441	110 %	50-150	"	"	"	"	"	I-02
Surrogate: Toluene-d8	0.0402	101 %	50-150	"	"	"	"	"	I-02
Surrogate: 4-Bromofluorobenzene	0.0406	101 %	50-150	"	"	"	"	"	I-02

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
C10-C28 (DRO)	ND	50	mg/kg	1	BIC0737	03/13/25	04/03/25	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: o-Terphenyl	12.8	102 %	50-140	"	"	"	"	"	

**PAH by EPA Method 8270E SIM**

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Chevron - BB03 Econode

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
06/14/25 11:50

**SVE-3 8Ft**  
**2502522-03 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270E SIM**

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BIC0743	03/13/25	03/22/25	EPA 8270E 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: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0272	81.6 %	40-140		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0247	74.1 %	40-140		"	"	"	"	

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

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L dry	1	BIC1072	03/18/25	03/25/25	EPA 6020B	

**Total Metals by EPA 6020B**

Date Sampled: **02/28/25 16:30**

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 - BB03 Econode

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
06/14/25 11:50

**SVE-3 8Ft**  
**2502522-03 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	0.719	0.200	mg/kg dry	1	BIC1583	03/26/25	04/11/25	EPA 6020B	
Barium	29.2	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	0.538	0.400	"	"	"	"	"	"	
Lead	2.17	0.200	"	"	"	"	"	"	
Nickel	0.707	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	2.41	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BIC0346	03/06/25	03/09/25	EPA 7196A	

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

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	73.8	0.0500	mg/L dry	1	BIC1478	03/24/25	03/28/25	EPA 6020B	
Magnesium	13.8	0.0500	"	"	"	"	"	"	
Sodium	7.10	0.0500	"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.199	0.00100	units	1	BIC1731	03/28/25	03/28/25	Calculation	

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

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Project: Chevron - BB03 Econode

Project Number: [none]  
 Project Manager: Paul Henchan

**Reported:**  
 06/14/25 11:50

**SVE-3 8Ft**  
**2502522-03 (Soil)**

**Summit Scientific**

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

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	96.8		%	1	BIC0065	03/03/25	03/03/25	Calculation	

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

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.138	0.0100	mmhos/cm	1	BIC1480	03/24/25	03/25/25	EPA 120.1	

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

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.79		pH Units	1	BIC1479	03/24/25	03/25/25	EPA 9045D	

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Project: Chevron - BB03 Econode

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
06/14/25 11:50

**SVE-4 8Ft**  
**2502522-04 (Soil)**

**Summit Scientific**

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

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BIC0734	03/13/25	04/06/25	EPA 8260B	I-02
Toluene	ND	0.0050		"	"	"	"	"	"	I-02
Ethylbenzene	ND	0.0050		"	"	"	"	"	"	I-02
Xylenes (total)	ND	0.010		"	"	"	"	"	"	I-02
1,2,4-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	I-02
1,3,5-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	I-02
Naphthalene	ND	0.0038		"	"	"	"	"	"	I-02
Gasoline Range Hydrocarbons	ND	0.50		"	"	"	"	"	"	I-02

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0440	110 %		50-150		"	"	"	"	I-02
Surrogate: Toluene-d8	0.0400	99.9 %		50-150		"	"	"	"	I-02
Surrogate: 4-Bromofluorobenzene	0.0412	103 %		50-150		"	"	"	"	I-02

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BIC0737	03/13/25	04/03/25	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	11.1	88.8 %		50-140		"	"	"	"	

**PAH by EPA Method 8270E SIM**

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Chevron - BB03 Econode

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
06/14/25 11:50

**SVE-4 8Ft**  
**2502522-04 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270E SIM**

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BIC0743	03/13/25	03/22/25	EPA 8270E 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: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0234	70.2 %	40-140		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0218	65.5 %	40-140		"	"	"	"	

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

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L dry	1	BIC1074	03/18/25	03/24/25	EPA 6020B	

**Total Metals by EPA 6020B**

Date Sampled: **02/28/25 16:30**

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 - BB03 Econode

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
06/14/25 11:50

**SVE-4 8Ft**  
**2502522-04 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	0.668	0.200	mg/kg dry	1	BIC1583	03/26/25	04/11/25	EPA 6020B	
Barium	40.1	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	0.657	0.400	"	"	"	"	"	"	
Lead	2.41	0.200	"	"	"	"	"	"	
Nickel	0.810	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	3.16	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: 02/28/25 16:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BIC0346	03/06/25	03/09/25	EPA 7196A	

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

Date Sampled: 02/28/25 16:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	1290	0.0500	mg/L dry	1	BIC1478	03/24/25	03/28/25	EPA 6020B	
Magnesium	75.4	0.0500	"	"	"	"	"	"	
Sodium	2.78	0.0500	"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: 02/28/25 16:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.0204	0.00100	units	1	BIC1731	03/28/25	03/28/25	Calculation	

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

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Fremont Environmental  
 PO Box 1289  
 Wellington CO, 80549

Project: Chevron - BB03 Econode

Project Number: [none]  
 Project Manager: Paul Henchan

**Reported:**  
 06/14/25 11:50

**SVE-4 8Ft**  
**2502522-04 (Soil)**

**Summit Scientific**

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

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	96.1		%	1	BIC0065	03/03/25	03/03/25	Calculation	

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

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.127	0.0100	mmhos/cm	1	BIC1480	03/24/25	03/25/25	EPA 120.1	

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

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.65		pH Units	1	BIC1479	03/24/25	03/25/25	EPA 9045D	

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Chevron - BB03 Econode

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
06/14/25 11:50

**SVE-5 8Ft**  
**2502522-05 (Soil)**

**Summit Scientific**

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

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BIC0734	03/13/25	04/06/25	EPA 8260B	I-02
Toluene	ND	0.0050		"	"	"	"	"	"	I-02
Ethylbenzene	ND	0.0050		"	"	"	"	"	"	I-02
Xylenes (total)	ND	0.010		"	"	"	"	"	"	I-02
1,2,4-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	I-02
1,3,5-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	I-02
Naphthalene	ND	0.0038		"	"	"	"	"	"	I-02
Gasoline Range Hydrocarbons	ND	0.50		"	"	"	"	"	"	I-02

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0444	111 %		50-150		"	"	"	"	I-02
Surrogate: Toluene-d8	0.0396	99.0 %		50-150		"	"	"	"	I-02
Surrogate: 4-Bromofluorobenzene	0.0410	103 %		50-150		"	"	"	"	I-02

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BIC0737	03/13/25	04/03/25	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	11.7	93.3 %		50-140		"	"	"	"	

**PAH by EPA Method 8270E SIM**

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Chevron - BB03 Econode

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
06/14/25 11:50

**SVE-5 8Ft**  
**2502522-05 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270E SIM**

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BIC0743	03/13/25	03/22/25	EPA 8270E 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: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0224	67.3 %	40-140		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0211	63.4 %	40-140		"	"	"	"	

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

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L dry	1	BIC1074	03/18/25	03/24/25	EPA 6020B	

**Total Metals by EPA 6020B**

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Fremont Environmental  
PO Box 1289  
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Project: Chevron - BB03 Econode

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
06/14/25 11:50

**SVE-5 8Ft**  
**2502522-05 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	0.593	0.200	mg/kg dry	1	BIC1583	03/26/25	04/11/25	EPA 6020B	
Barium	36.9	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	0.584	0.400	"	"	"	"	"	"	
Lead	2.18	0.200	"	"	"	"	"	"	
Nickel	0.753	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	2.73	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BIC0346	03/06/25	03/09/25	EPA 7196A	

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

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	133	0.0500	mg/L dry	1	BIC1478	03/24/25	03/28/25	EPA 6020B	
Magnesium	25.9	0.0500	"	"	"	"	"	"	
Sodium	3.76	0.0500	"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.0781	0.00100	units	1	BIC1731	03/28/25	03/28/25	Calculation	

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

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Fremont Environmental  
 PO Box 1289  
 Wellington CO, 80549

Project: Chevron - BB03 Econode

Project Number: [none]  
 Project Manager: Paul Henchan

**Reported:**  
 06/14/25 11:50

**SVE-5 8Ft**  
**2502522-05 (Soil)**

**Summit Scientific**

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

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	96.3		%	1	BIC0065	03/03/25	03/03/25	Calculation	

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

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.0530	0.0100	mmhos/cm	1	BIC1480	03/24/25	03/25/25	EPA 120.1	

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

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.66		pH Units	1	BIC1479	03/24/25	03/25/25	EPA 9045D	

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Wellington CO, 80549

Project: Chevron - BB03 Econode

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
06/14/25 11:50

**SVE-6 8Ft**  
**2502522-06 (Soil)**

**Summit Scientific**

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

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	ND	0.0020	mg/kg	1	BIC0734	03/13/25	04/06/25	EPA 8260B	I-02
Toluene	ND	0.0050	"	"	"	"	"	"	I-02
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	I-02
Xylenes (total)	ND	0.010	"	"	"	"	"	"	I-02
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	I-02
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	I-02
Naphthalene	ND	0.0038	"	"	"	"	"	"	I-02
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	I-02

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4	0.0430	107 %	50-150	"	"	"	"	"	I-02
Surrogate: Toluene-d8	0.0397	99.2 %	50-150	"	"	"	"	"	I-02
Surrogate: 4-Bromofluorobenzene	0.0404	101 %	50-150	"	"	"	"	"	I-02

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
C10-C28 (DRO)	ND	50	mg/kg	1	BIC0737	03/13/25	04/03/25	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: o-Terphenyl	11.1	88.8 %	50-140	"	"	"	"	"	

**PAH by EPA Method 8270E SIM**

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Project: Chevron - BB03 Econode

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
06/14/25 11:50

**SVE-6 8Ft**  
**2502522-06 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270E SIM**

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BIC0743	03/13/25	03/22/25	EPA 8270E 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: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0271	81.2 %	40-140		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0255	76.5 %	40-140		"	"	"	"	

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

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L dry	1	BIC1074	03/18/25	03/24/25	EPA 6020B	

**Total Metals by EPA 6020B**

Date Sampled: **02/28/25 16:30**

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 - BB03 Econode

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
06/14/25 11:50

**SVE-6 8Ft**  
**2502522-06 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	0.476	0.200	mg/kg dry	1	BIC1583	03/26/25	04/11/25	EPA 6020B	
Barium	27.7	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	0.521	0.400	"	"	"	"	"	"	
Lead	2.04	0.200	"	"	"	"	"	"	
Nickel	0.678	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	2.35	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BIC0346	03/06/25	03/09/25	EPA 7196A	

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

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	57.6	0.0500	mg/L dry	1	BIC1478	03/24/25	03/28/25	EPA 6020B	
Magnesium	6.91	0.0500	"	"	"	"	"	"	
Sodium	2.28	0.0500	"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.0756	0.00100	units	1	BIC1731	03/28/25	03/28/25	Calculation	

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

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Fremont Environmental  
 PO Box 1289  
 Wellington CO, 80549

Project: Chevron - BB03 Econode

Project Number: [none]  
 Project Manager: Paul Henchan

**Reported:**  
 06/14/25 11:50

**SVE-6 8Ft**  
**2502522-06 (Soil)**

**Summit Scientific**

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

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	95.4		%	1	BIC0065	03/03/25	03/03/25	Calculation	

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

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.0990	0.0100	mmhos/cm	1	BIC1480	03/24/25	03/25/25	EPA 120.1	

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

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.78		pH Units	1	BIC1479	03/24/25	03/25/25	EPA 9045D	

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Project: Chevron - BB03 Econode

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
06/14/25 11:50

**SVE-7 8Ft**  
**2502522-07 (Soil)**

**Summit Scientific**

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

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	ND	0.0020	mg/kg	1	BIC0734	03/13/25	04/06/25	EPA 8260B	I-02
Toluene	ND	0.0050	"	"	"	"	"	"	I-02
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	I-02
Xylenes (total)	ND	0.010	"	"	"	"	"	"	I-02
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	I-02
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	I-02
Naphthalene	ND	0.0038	"	"	"	"	"	"	I-02
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	I-02

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4	0.0428	107 %	50-150	"	"	"	"	"	I-02
Surrogate: Toluene-d8	0.0399	99.7 %	50-150	"	"	"	"	"	I-02
Surrogate: 4-Bromofluorobenzene	0.0407	102 %	50-150	"	"	"	"	"	I-02

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
C10-C28 (DRO)	ND	50	mg/kg	1	BIC0737	03/13/25	04/03/25	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: o-Terphenyl	11.2	89.8 %	50-140	"	"	"	"	"	

**PAH by EPA Method 8270E SIM**

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Fremont Environmental  
 PO Box 1289  
 Wellington CO, 80549

Project: Chevron - BB03 Econode

Project Number: [none]  
 Project Manager: Paul Henchan

**Reported:**  
 06/14/25 11:50

**SVE-7 8Ft**  
**2502522-07 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270E SIM**

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BIC0743	03/13/25	03/22/25	EPA 8270E 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: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0234	70.2 %	40-140		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0234	70.3 %	40-140		"	"	"	"	

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

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L dry	1	BIC1074	03/18/25	03/24/25	EPA 6020B	

**Total Metals by EPA 6020B**

Date Sampled: **02/28/25 16:30**

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 - BB03 Econode

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
06/14/25 11:50

**SVE-7 8Ft**  
**2502522-07 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	0.651	0.200	mg/kg dry	1	BIC1583	03/26/25	04/11/25	EPA 6020B	
Barium	32.7	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	0.606	0.400	"	"	"	"	"	"	
Lead	2.51	0.200	"	"	"	"	"	"	
Nickel	0.705	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	2.63	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BIC0346	03/06/25	03/09/25	EPA 7196A	

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

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	225	0.0500	mg/L dry	1	BIC1478	03/24/25	03/28/25	EPA 6020B	
Magnesium	42.3	0.0500	"	"	"	"	"	"	
Sodium	2.13	0.0500	"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.0342	0.00100	units	1	BIC1731	03/28/25	03/28/25	Calculation	

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

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 PO Box 1289  
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Project: Chevron - BB03 Econode

Project Number: [none]  
 Project Manager: Paul Henchan

**Reported:**  
 06/14/25 11:50

**SVE-7 8Ft**  
**2502522-07 (Soil)**

**Summit Scientific**

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

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	96.2		%	1	BIC0065	03/03/25	03/03/25	Calculation	

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

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.0808	0.0100	mmhos/cm	1	BIC1480	03/24/25	03/25/25	EPA 120.1	

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

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.59		pH Units	1	BIC1479	03/24/25	03/25/25	EPA 9045D	

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PO Box 1289  
Wellington CO, 80549

Project: Chevron - BB03 Econode

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
06/14/25 11:50

**SVE-8 8Ft**  
**2502522-08 (Soil)**

**Summit Scientific**

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

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BIC0734	03/13/25	04/06/25	EPA 8260B	I-02
Toluene	ND	0.0050		"	"	"	"	"	"	I-02
Ethylbenzene	ND	0.0050		"	"	"	"	"	"	I-02
Xylenes (total)	ND	0.010		"	"	"	"	"	"	I-02
1,2,4-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	I-02
1,3,5-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	I-02
Naphthalene	ND	0.0038		"	"	"	"	"	"	I-02
Gasoline Range Hydrocarbons	ND	0.50		"	"	"	"	"	"	I-02

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0429	107 %		50-150		"	"	"	"	I-02
Surrogate: Toluene-d8	0.0396	99.1 %		50-150		"	"	"	"	I-02
Surrogate: 4-Bromofluorobenzene	0.0402	100 %		50-150		"	"	"	"	I-02

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BIC0737	03/13/25	04/03/25	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	12.4	99.1 %		50-140		"	"	"	"	

**PAH by EPA Method 8270E SIM**

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 PO Box 1289  
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Project: Chevron - BB03 Econode

Project Number: [none]  
 Project Manager: Paul Henchan

**Reported:**  
 06/14/25 11:50

**SVE-8 8Ft**  
**2502522-08 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270E SIM**

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BIC0743	03/13/25	03/22/25	EPA 8270E 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: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0172	51.7 %	40-140		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0158	47.3 %	40-140		"	"	"	"	

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

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L dry	1	BIC1074	03/18/25	03/24/25	EPA 6020B	

**Total Metals by EPA 6020B**

Date Sampled: **02/28/25 16:30**

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 - BB03 Econode

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
06/14/25 11:50

**SVE-8 8Ft**  
**2502522-08 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	0.710	0.200	mg/kg dry	1	BIC1583	03/26/25	04/12/25	EPA 6020B	
Barium	38.9	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	0.588	0.400	"	"	"	"	"	"	
Lead	2.17	0.200	"	"	"	"	"	"	
Nickel	0.731	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	2.72	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BIC0346	03/06/25	03/09/25	EPA 7196A	

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

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	110	0.0500	mg/L dry	1	BIC1478	03/24/25	03/28/25	EPA 6020B	
Magnesium	19.2	0.0500	"	"	"	"	"	"	
Sodium	7.35	0.0500	"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.170	0.00100	units	1	BIC1731	03/28/25	03/28/25	Calculation	

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

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Project: Chevron - BB03 Econode

Project Number: [none]  
 Project Manager: Paul Henchan

**Reported:**  
 06/14/25 11:50

**SVE-8 8Ft**  
**2502522-08 (Soil)**

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

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	96.2		%	1	BIC0065	03/03/25	03/03/25	Calculation	

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

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.100	0.0100	mmhos/cm	1	BIC1480	03/24/25	03/25/25	EPA 120.1	

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

Date Sampled: **02/28/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.60		pH Units	1	BIC1479	03/24/25	03/25/25	EPA 9045D	

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Project: Chevron - BB03 Econode

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
06/14/25 11:50

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

#### Summit Scientific

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

#### Batch BIC0734 - EPA 5030 Soil MS

##### Blank (BIC0734-BLK1)

Prepared: 03/13/25 Analyzed: 04/06/25

Benzene	ND	0.0020	mg/kg								
Toluene	ND	0.0050	"								
Ethylbenzene	ND	0.0050	"								
Xylenes (total)	ND	0.010	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
Naphthalene	ND	0.0038	"								
Gasoline Range Hydrocarbons	ND	0.50	"								
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.0428		"	0.0400		107	50-150				
<i>Surrogate: Toluene-d8</i>	0.0396		"	0.0400		99.1	50-150				
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0408		"	0.0400		102	50-150				

##### LCS (BIC0734-BS1)

Prepared: 03/13/25 Analyzed: 04/06/25

Benzene	0.102	0.0020	mg/kg	0.100		102	70-130				
Toluene	0.101	0.0050	"	0.100		101	70-130				
Ethylbenzene	0.106	0.0050	"	0.100		106	70-130				
m,p-Xylene	0.207	0.010	"	0.200		103	70-130				
o-Xylene	0.103	0.0050	"	0.100		103	70-130				
1,2,4-Trimethylbenzene	0.114	0.0050	"	0.100		114	70-130				
1,3,5-Trimethylbenzene	0.112	0.0050	"	0.100		112	70-130				
Naphthalene	0.0994	0.0038	"	0.100		99.4	70-130				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.0435		"	0.0400		109	50-150				
<i>Surrogate: Toluene-d8</i>	0.0401		"	0.0400		100	50-150				
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0410		"	0.0400		103	50-150				

##### Matrix Spike (BIC0734-MS1)

Source: 2502522-01

Prepared: 03/13/25 Analyzed: 04/06/25

Benzene	0.102	0.0020	mg/kg	0.100	ND	102	70-130				
Toluene	0.101	0.0050	"	0.100	ND	101	70-130				
Ethylbenzene	0.107	0.0050	"	0.100	ND	107	70-130				
m,p-Xylene	0.209	0.010	"	0.200	ND	105	70-130				
o-Xylene	0.106	0.0050	"	0.100	ND	106	70-130				
1,2,4-Trimethylbenzene	0.114	0.0050	"	0.100	ND	114	70-130				
1,3,5-Trimethylbenzene	0.112	0.0050	"	0.100	ND	112	70-130				
Naphthalene	0.0978	0.0038	"	0.100	ND	97.8	70-130				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.0432		"	0.0400		108	50-150				
<i>Surrogate: Toluene-d8</i>	0.0397		"	0.0400		99.3	50-150				
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0414		"	0.0400		104	50-150				

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Project: Chevron - BB03 Econode

Project Number: [none]  
 Project Manager: Paul Henchan

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

**Summit Scientific**

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

**Batch BIC0734 - EPA 5030 Soil MS**

Matrix Spike Dup (BIC0734-MSD1)	Source: 2502522-01			Prepared: 03/13/25 Analyzed: 04/06/25						
Benzene	0.101	0.0020	mg/kg	0.100	ND	101	70-130	0.561	30	
Toluene	0.101	0.0050	"	0.100	ND	101	70-130	0.208	30	
Ethylbenzene	0.104	0.0050	"	0.100	ND	104	70-130	3.04	30	
m,p-Xylene	0.208	0.010	"	0.200	ND	104	70-130	0.734	30	
o-Xylene	0.103	0.0050	"	0.100	ND	103	70-130	2.13	30	
1,2,4-Trimethylbenzene	0.112	0.0050	"	0.100	ND	112	70-130	1.52	30	
1,3,5-Trimethylbenzene	0.111	0.0050	"	0.100	ND	111	70-130	0.591	30	
Naphthalene	0.0944	0.0038	"	0.100	ND	94.4	70-130	3.53	30	
Surrogate: 1,2-Dichloroethane-d4	0.0430		"	0.0400		107	50-150			
Surrogate: Toluene-d8	0.0396		"	0.0400		99.1	50-150			
Surrogate: 4-Bromofluorobenzene	0.0415		"	0.0400		104	50-150			

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Project: Chevron - BB03 Econode

Project Number: [none]  
 Project Manager: Paul Henchan

**Reported:**  
 06/14/25 11:50

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

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

**Batch BIC0737 - EPA 3550A**

**Blank (BIC0737-BLK1)**

Prepared: 03/13/25 Analyzed: 04/03/25

C10-C28 (DRO)	ND	50	mg/kg								
C28-C36 (ORO)	ND	50	"								
Surrogate: <i>o</i> -Terphenyl	12.6		"	12.5	101	50-140					

**LCS (BIC0737-BS1)**

Prepared: 03/13/25 Analyzed: 04/03/25

C10-C28 (DRO)	446	50	mg/kg	500	89.1	50-140					
Surrogate: <i>o</i> -Terphenyl	10.6		"	12.5	85.2	50-140					

**Matrix Spike (BIC0737-MS1)**

Source: 2502522-01

Prepared: 03/13/25 Analyzed: 04/03/25

C10-C28 (DRO)	455	50	mg/kg	500	33.7	84.2	50-140				
Surrogate: <i>o</i> -Terphenyl	10.6		"	12.5	84.7	50-140					

**Matrix Spike Dup (BIC0737-MSD1)**

Source: 2502522-01

Prepared: 03/13/25 Analyzed: 04/03/25

C10-C28 (DRO)	470	50	mg/kg	500	33.7	87.3	50-140	3.28	20		
Surrogate: <i>o</i> -Terphenyl	10.9		"	12.5	87.2	50-140					

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Project: Chevron - BB03 Econode

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
06/14/25 11:50

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

**Summit Scientific**

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

**Batch BIC0743 - EPA 5030 Soil MS**

**Blank (BIC0743-BLK1)**

Prepared: 03/13/25 Analyzed: 03/21/25

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	0.0274		"	0.0333		82.3	40-140			
Surrogate: Fluoranthene-d10	0.0281		"	0.0333		84.3	40-140			

**LCS (BIC0743-BS1)**

Prepared: 03/13/25 Analyzed: 03/21/25

Acenaphthene	0.0203	0.00500	mg/kg	0.0333		61.0	40-140			
Anthracene	0.0198	0.00500	"	0.0333		59.3	40-140			
Benzo (a) anthracene	0.0197	0.00500	"	0.0333		59.2	40-140			
Benzo (a) pyrene	0.0191	0.00500	"	0.0333		57.3	40-140			
Benzo (b) fluoranthene	0.0191	0.00500	"	0.0333		57.3	40-140			
Benzo (k) fluoranthene	0.0190	0.00500	"	0.0333		57.0	40-140			
Chrysene	0.0194	0.00500	"	0.0333		58.3	40-140			
Dibenz (a,h) anthracene	0.0181	0.00500	"	0.0333		54.3	40-140			
Fluoranthene	0.0193	0.00500	"	0.0333		57.8	40-140			
Fluorene	0.0220	0.00500	"	0.0333		66.0	40-140			
Indeno (1,2,3-cd) pyrene	0.0191	0.00500	"	0.0333		57.3	40-140			
Pyrene	0.0198	0.00500	"	0.0333		59.5	40-140			
1-Methylnaphthalene	0.0190	0.00500	"	0.0333		57.1	40-140			
2-Methylnaphthalene	0.0186	0.00500	"	0.0333		55.8	40-140			
Surrogate: 2-Methylnaphthalene-d10	0.0208		"	0.0333		62.3	40-140			
Surrogate: Fluoranthene-d10	0.0208		"	0.0333		62.4	40-140			

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Project: Chevron - BB03 Econode

Project Number: [none]  
Project Manager: Paul Henchan

Reported:  
06/14/25 11:50

PAH by EPA Method 8270E SIM - Quality Control

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

Batch BIC0743 - EPA 5030 Soil MS

Matrix Spike (BIC0743-MS1)	Source: 2502507-01			Prepared: 03/13/25 Analyzed: 03/21/25						
Acenaphthene	0.0217	0.00500	mg/kg	0.0333	ND	65.2	40-140			
Anthracene	0.0234	0.00500	"	0.0333	ND	70.3	40-140			
Benzo (a) anthracene	0.0241	0.00500	"	0.0333	ND	72.4	40-140			
Benzo (a) pyrene	0.0230	0.00500	"	0.0333	ND	69.0	40-140			
Benzo (b) fluoranthene	0.0230	0.00500	"	0.0333	ND	68.9	40-140			
Benzo (k) fluoranthene	0.0225	0.00500	"	0.0333	ND	67.4	40-140			
Chrysene	0.0241	0.00500	"	0.0333	ND	72.2	40-140			
Dibenz (a,h) anthracene	0.0234	0.00500	"	0.0333	ND	70.2	40-140			
Fluoranthene	0.0217	0.00500	"	0.0333	ND	65.2	40-140			
Fluorene	0.0232	0.00500	"	0.0333	ND	69.6	40-140			
Indeno (1,2,3-cd) pyrene	0.0248	0.00500	"	0.0333	ND	74.4	40-140			
Pyrene	0.0227	0.00500	"	0.0333	ND	68.0	40-140			
1-Methylnaphthalene	0.0242	0.00500	"	0.0333	ND	72.6	40-140			
2-Methylnaphthalene	0.0233	0.00500	"	0.0333	ND	69.8	40-140			
Surrogate: 2-Methylnaphthalene-d10	0.0247		"	0.0333		74.0	40-140			
Surrogate: Fluoranthene-d10	0.0220		"	0.0333		66.0	40-140			

Matrix Spike Dup (BIC0743-MSD1)	Source: 2502507-01			Prepared: 03/13/25 Analyzed: 03/21/25						
Acenaphthene	0.0150	0.00500	mg/kg	0.0333	ND	45.1	40-140	36.4	30	QR-02
Anthracene	0.0146	0.00500	"	0.0333	ND	43.9	40-140	46.3	30	QR-02
Benzo (a) anthracene	0.0148	0.00500	"	0.0333	ND	44.3	40-140	48.1	30	QR-02
Benzo (a) pyrene	0.0137	0.00500	"	0.0333	ND	41.1	40-140	50.6	30	QR-02
Benzo (b) fluoranthene	0.0139	0.00500	"	0.0333	ND	41.6	40-140	49.4	30	QR-02
Benzo (k) fluoranthene	0.0134	0.00500	"	0.0333	ND	40.1	40-140	50.9	30	QR-02
Chrysene	0.0147	0.00500	"	0.0333	ND	44.1	40-140	48.4	30	QR-02
Dibenz (a,h) anthracene	0.0151	0.00500	"	0.0333	ND	45.4	40-140	42.8	30	QR-02
Fluoranthene	0.0146	0.00500	"	0.0333	ND	43.8	40-140	39.2	30	QR-02
Fluorene	0.0164	0.00500	"	0.0333	ND	49.2	40-140	34.5	30	QR-02
Indeno (1,2,3-cd) pyrene	0.0144	0.00500	"	0.0333	ND	43.1	40-140	53.2	30	QR-02
Pyrene	0.0149	0.00500	"	0.0333	ND	44.7	40-140	41.5	30	QR-02
1-Methylnaphthalene	0.0153	0.00500	"	0.0333	ND	45.9	40-140	45.1	30	QR-02
2-Methylnaphthalene	0.0149	0.00500	"	0.0333	ND	44.7	40-140	43.7	30	QR-02
Surrogate: 2-Methylnaphthalene-d10	0.0148		"	0.0333		44.4	40-140			
Surrogate: Fluoranthene-d10	0.0141		"	0.0333		42.4	40-140			

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Project: Chevron - BB03 Econode

Project Number: [none]  
 Project Manager: Paul Henchan

**Reported:**  
 06/14/25 11:50

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

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

**Batch BIC1072 - EPA 3050B**

<b>Blank (BIC1072-BLK1)</b>		Prepared: 03/18/25 Analyzed: 03/25/25								
Boron	ND	2.00	mg/L wet							
<b>LCS (BIC1072-BS1)</b>		Prepared: 03/18/25 Analyzed: 03/25/25								
Boron	4.79	2.00	mg/L wet	5.00		95.9	80-120			
<b>Duplicate (BIC1072-DUP1)</b>		<b>Source: 2502514-12</b>		Prepared: 03/18/25 Analyzed: 03/25/25						
Boron	0.0795	2.00	mg/L dry		0.0910			13.5	20	
<b>Matrix Spike (BIC1072-MS1)</b>		<b>Source: 2502514-12</b>		Prepared: 03/18/25 Analyzed: 03/25/25						
Boron	5.80	2.00	mg/L dry	5.86	0.0910	97.4	75-125			
<b>Matrix Spike Dup (BIC1072-MSD1)</b>		<b>Source: 2502514-12</b>		Prepared: 03/18/25 Analyzed: 03/25/25						
Boron	5.90	2.00	mg/L dry	5.86	0.0910	99.2	75-125	1.77	25	

**Batch BIC1074 - EPA 3050B**

<b>Blank (BIC1074-BLK1)</b>		Prepared: 03/18/25 Analyzed: 03/24/25								
Boron	ND	2.00	mg/L wet							
<b>LCS (BIC1074-BS1)</b>		Prepared: 03/18/25 Analyzed: 03/24/25								
Boron	4.98	2.00	mg/L wet	5.00		99.6	80-120			
<b>Duplicate (BIC1074-DUP1)</b>		<b>Source: 2502522-04</b>		Prepared: 03/18/25 Analyzed: 03/24/25						
Boron	0.108	2.00	mg/L dry		0.122			11.8	20	
<b>Matrix Spike (BIC1074-MS1)</b>		<b>Source: 2502522-04</b>		Prepared: 03/18/25 Analyzed: 03/24/25						
Boron	5.41	2.00	mg/L dry	5.23	0.122	101	75-125			

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Project: Chevron - BB03 Econode

Project Number: [none]  
 Project Manager: Paul Henchan

**Reported:**  
 06/14/25 11:50

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

**Summit Scientific**

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

**Batch BIC1074 - EPA 3050B**

**Matrix Spike Dup (BIC1074-MSD1)**

**Source: 2502522-04**

Prepared: 03/18/25 Analyzed: 03/24/25

Boron	5.38	2.00	mg/L dry	5.23	0.122	101	75-125	0.603	25	
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Fremont Environmental  
 PO Box 1289  
 Wellington CO, 80549

Project: Chevron - BB03 Econode

Project Number: [none]  
 Project Manager: Paul Henchan

**Reported:**  
 06/14/25 11:50

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

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

**Batch BIC1582 - EPA 3050B**

**Blank (BIC1582-BLK1)**

Prepared: 03/26/25 Analyzed: 04/13/25

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 (BIC1582-BS1)**

Prepared: 03/26/25 Analyzed: 04/13/25

Arsenic	38.3	0.200	mg/kg wet	41.3	92.8	80-120
Barium	39.8	0.400	"	41.3	96.3	80-120
Cadmium	1.99	0.200	"	2.07	96.4	80-120
Copper	40.8	0.400	"	41.3	98.7	80-120
Lead	21.6	0.200	"	20.7	104	80-120
Nickel	40.2	0.400	"	41.3	97.4	80-120
Silver	2.00	0.0200	"	2.07	96.8	80-120
Zinc	41.3	0.400	"	41.3	99.9	80-120
Selenium	4.21	0.260	"	4.13	102	80-120

**Duplicate (BIC1582-DUP1)**

Source: 2502504-07

Prepared: 03/26/25 Analyzed: 04/13/25

Arsenic	0.533	0.200	mg/kg dry	0.664	21.9	20	QR-04
Barium	21.3	0.400	"	20.2	5.56	20	
Cadmium	ND	0.200	"	0.00747	200	20	QR-01
Copper	1.03	0.400	"	1.05	2.52	20	
Lead	2.47	0.200	"	2.48	0.272	20	
Nickel	0.638	0.400	"	0.630	1.31	20	
Silver	0.00815	0.0200	"	0.00747	8.73	20	
Zinc	4.53	0.400	"	4.61	1.67	20	
Selenium	ND	0.260	"	ND		20	

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Chevron - BB03 Econode

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
06/14/25 11:50

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

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

**Batch BIC1582 - EPA 3050B**

**Matrix Spike (BIC1582-MS1)**

Source: 2502504-07

Prepared: 03/26/25 Analyzed: 04/13/25

Arsenic	19.8	0.200	mg/kg dry	43.9	0.664	43.5	75-125				QM-05
Barium	59.3	0.400	"	43.9	20.2	89.1	75-125				
Cadmium	1.93	0.200	"	2.20	0.00747	87.6	75-125				
Copper	21.2	0.400	"	43.9	1.05	45.8	75-125				QM-05
Lead	22.7	0.200	"	22.0	2.48	92.1	75-125				
Nickel	20.6	0.400	"	43.9	0.630	45.5	75-125				QM-05
Silver	1.95	0.0200	"	2.20	0.00747	88.3	75-125				
Zinc	25.1	0.400	"	43.9	4.61	46.6	75-125				QM-05
Selenium	4.04	0.260	"	4.39	ND	92.0	75-125				

**Matrix Spike Dup (BIC1582-MSD1)**

Source: 2502504-07

Prepared: 03/26/25 Analyzed: 04/13/25

Arsenic	17.4	0.200	mg/kg dry	42.9	0.664	39.0	75-125	13.0	25		QM-05
Barium	61.4	0.400	"	42.9	20.2	96.2	75-125	3.48	25		
Cadmium	1.96	0.200	"	2.14	0.00747	91.3	75-125	1.69	25		
Copper	18.7	0.400	"	42.9	1.05	41.1	75-125	12.4	25		QM-05
Lead	22.5	0.200	"	21.4	2.48	93.2	75-125	1.10	25		
Nickel	18.5	0.400	"	42.9	0.630	41.6	75-125	11.0	25		QM-05
Silver	1.94	0.0200	"	2.14	0.00747	90.2	75-125	0.180	25		
Zinc	22.4	0.400	"	42.9	4.61	41.4	75-125	11.4	25		QM-05
Selenium	3.82	0.260	"	4.29	ND	89.2	75-125	5.51	25		

**Batch BIC1583 - EPA 3050B**

**Blank (BIC1583-BLK1)**

Prepared: 03/26/25 Analyzed: 04/11/25

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	"								

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Chevron - BB03 Econode

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
06/14/25 11:50

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

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

**Batch BIC1583 - EPA 3050B**

**LCS (BIC1583-BS1)**

Prepared: 03/26/25 Analyzed: 04/11/25

Arsenic	38.6	0.200	mg/kg wet	41.0		94.1	80-120			
Barium	40.4	0.400	"	41.0		98.5	80-120			
Cadmium	2.00	0.200	"	2.05		97.5	80-120			
Copper	39.4	0.400	"	41.0		96.1	80-120			
Lead	20.7	0.200	"	20.5		101	80-120			
Nickel	39.0	0.400	"	41.0		95.1	80-120			
Silver	2.02	0.0200	"	2.05		98.7	80-120			
Zinc	38.9	0.400	"	41.0		94.9	80-120			
Selenium	4.33	0.260	"	4.10		106	80-120			

**Duplicate (BIC1583-DUP1)**

Source: 2502522-02

Prepared: 03/26/25 Analyzed: 04/11/25

Arsenic	0.582	0.200	mg/kg dry		0.489			17.3	20	
Barium	35.8	0.400	"		43.1			18.5	20	
Cadmium	0.0272	0.200	"		0.0273			0.220	20	
Copper	0.504	0.400	"		0.528			4.80	20	
Lead	1.92	0.200	"		2.28			17.0	20	
Nickel	0.646	0.400	"		0.697			7.53	20	
Silver	0.00812	0.0200	"		0.00810			0.328	20	
Zinc	2.34	0.400	"		2.44			4.23	20	
Selenium	ND	0.260	"		ND				20	

**Matrix Spike (BIC1583-MS1)**

Source: 2502522-02

Prepared: 03/26/25 Analyzed: 04/11/25

Arsenic	16.6	0.200	mg/kg dry	41.6	0.489	38.8	75-125			QM-05
Barium	78.8	0.400	"	41.6	43.1	86.0	75-125			
Cadmium	1.96	0.200	"	2.08	0.0273	92.9	75-125			
Copper	17.3	0.400	"	41.6	0.528	40.2	75-125			QM-05
Lead	20.4	0.200	"	20.8	2.28	87.1	75-125			
Nickel	17.5	0.400	"	41.6	0.697	40.3	75-125			QM-05
Silver	1.88	0.0200	"	2.08	0.00810	89.9	75-125			
Zinc	19.5	0.400	"	41.6	2.44	41.0	75-125			QM-05
Selenium	3.89	0.260	"	4.16	ND	93.6	75-125			

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Project: Chevron - BB03 Econode

Project Number: [none]  
 Project Manager: Paul Henchan

**Reported:**  
 06/14/25 11:50

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

**Summit Scientific**

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

**Batch BIC1583 - EPA 3050B**

**Matrix Spike Dup (BIC1583-MSD1)**

Source: 2502522-02

Prepared: 03/26/25 Analyzed: 04/11/25

Analyte	Result	Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	Limit	Notes
Arsenic	14.5	0.200	mg/kg dry	40.3	0.489	34.9	75-125	13.3	25	QM-05
Barium	82.5	0.400	"	40.3	43.1	97.7	75-125	4.50	25	
Cadmium	1.99	0.200	"	2.01	0.0273	97.6	75-125	1.80	25	
Copper	15.1	0.400	"	40.3	0.528	36.3	75-125	13.0	25	QM-05
Lead	21.4	0.200	"	20.1	2.28	94.9	75-125	4.77	25	
Nickel	15.4	0.400	"	40.3	0.697	36.5	75-125	12.5	25	QM-05
Silver	1.96	0.0200	"	2.01	0.00810	96.7	75-125	4.13	25	
Zinc	17.3	0.400	"	40.3	2.44	36.9	75-125	11.7	25	QM-05
Selenium	3.74	0.260	"	4.03	ND	92.8	75-125	4.02	25	

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Project: Chevron - BB03 Econode

Project Number: [none]  
 Project Manager: Paul Henchan

**Reported:**  
 06/14/25 11:50

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

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

**Batch BIC0346 - 3060A Mod**

**Blank (BIC0346-BLK1)**

Prepared: 03/06/25 Analyzed: 03/09/25

Chromium, Hexavalent ND 0.30 mg/kg wet

**LCS (BIC0346-BS1)**

Prepared: 03/06/25 Analyzed: 03/09/25

Chromium, Hexavalent 29.1 0.30 mg/kg wet 26.3 110 80-120

**Duplicate (BIC0346-DUP1)**

**Source: 2502511-01**

Prepared: 03/06/25 Analyzed: 03/09/25

Chromium, Hexavalent ND 0.30 mg/kg dry ND 20

**Matrix Spike (BIC0346-MS1)**

**Source: 2502511-01**

Prepared: 03/06/25 Analyzed: 03/09/25

Chromium, Hexavalent 27.4 0.30 mg/kg dry 27.5 ND 99.6 75-125

**Matrix Spike Dup (BIC0346-MSD1)**

**Source: 2502511-01**

Prepared: 03/06/25 Analyzed: 03/09/25

Chromium, Hexavalent 29.9 0.30 mg/kg dry 28.4 ND 105 75-125 8.76 20

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 Wellington CO, 80549

Project: Chevron - BB03 Econode

Project Number: [none]  
 Project Manager: Paul Henchan

**Reported:**  
 06/14/25 11:50

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

**Summit Scientific**

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

**Batch BIC1478 - General Preparation**

**Blank (BIC1478-BLK1)**

Prepared: 03/24/25 Analyzed: 03/27/25

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

**LCS (BIC1478-BS1)**

Prepared: 03/24/25 Analyzed: 03/27/25

Calcium	5.25	0.0500	mg/L wet	5.00		105	70-130			
Magnesium	4.96	0.0500	"	5.00		99.2	70-130			
Sodium	4.93	0.0500	"	5.00		98.7	70-130			

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 PO Box 1289  
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Project: Chevron - BB03 Econode

Project Number: [none]  
 Project Manager: Paul Henchan

**Reported:**  
 06/14/25 11:50

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

**Summit Scientific**

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

**Batch BIC0065 - General Preparation**

**Duplicate (BIC0065-DUP1)**

**Source: 2502522-01**

Prepared & Analyzed: 03/03/25

% Solids	96.3		%		96.1			0.136		20	
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Fremont Environmental  
 PO Box 1289  
 Wellington CO, 80549

Project: Chevron - BB03 Econode

Project Number: [none]  
 Project Manager: Paul Henchan

**Reported:**  
 06/14/25 11:50

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

**Summit Scientific**

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

**Batch BIC1480 - General Preparation**

**Blank (BIC1480-BLK1)**

Prepared: 03/24/25 Analyzed: 03/25/25

Specific Conductance (EC) ND 0.0100 mmhos/cm

**LCS (BIC1480-BS1)**

Prepared: 03/24/25 Analyzed: 03/25/25

Specific Conductance (EC) 0.149 0.0100 mmhos/cm 0.150 99.5 95-105

**Duplicate (BIC1480-DUP1)**

Source: 2502522-01

Prepared: 03/24/25 Analyzed: 03/25/25

Specific Conductance (EC) 0.0950 0.0100 mmhos/cm 0.0962 1.22 20

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Fremont Environmental  
 PO Box 1289  
 Wellington CO, 80549

Project: Chevron - BB03 Econode

Project Number: [none]  
 Project Manager: Paul Henchan

**Reported:**  
 06/14/25 11:50

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

**Summit Scientific**

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

**Batch BIC1479 - General Preparation**

**LCS (BIC1479-BS1)**

Prepared: 03/24/25 Analyzed: 03/25/25

pH 9.10 pH Units 9.18 99.1 95-105

**Duplicate (BIC1479-DUP1)**

Source: 2502522-01

Prepared: 03/24/25 Analyzed: 03/25/25

pH 8.07 pH Units 8.57 6.01 20

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Chevron - BB03 Econode

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
06/14/25 11:50

### Notes and Definitions

- QR-04 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits. Sample results were accepted based on LCS and/or LCSD recoveries and/or RPD values. Only applies to source/DUP and MS/MSD pairs.
- 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.
- QR-01 Analyses are not controlled on RPD values from sample concentrations below the reporting limit. Sample results were accepted based on LCS and/or LCSD recoveries and/or RPD values.
- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. Sample results were accepted based on LCS and/or LCSD recoveries and/or RPD values.
- I-02 Sample was prepared and/or analyzed outside of holding time.
- 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