

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

November 27, 2024

Paul Henchan
Fremont Environmental
PO Box 1289
Wellington, CO 80549

RE: Chevron - Watson Backgrounds
Work Order #2411102

Enclosed are the results of analyses for samples received by Summit Scientific on 11/06/24 16:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Natalie Tessier". The signature is written in a cursive, flowing style.

Natalie Tessier For Paul Shrewsbury
President



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - Watson Backgrounds

Project Number: CO24-131
Project Manager: Paul Henchan

Reported:
11/27/24 10:31

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BG01 - 0.5	2411102-01	Soil	11/06/24 00:00	11/06/24 16:30
BG01 - 2.0	2411102-02	Soil	11/06/24 00:00	11/06/24 16:30
BG01 - 4.0	2411102-03	Soil	11/06/24 00:00	11/06/24 16:30
BG02 - 0.5	2411102-04	Soil	11/06/24 00:00	11/06/24 16:30
BG02 - 2.0	2411102-05	Soil	11/06/24 00:00	11/06/24 16:30
BG02 - 4.0	2411102-06	Soil	11/06/24 00:00	11/06/24 16:30
BG03 - 0.5	2411102-07	Soil	11/06/24 00:00	11/06/24 16:30
BG03 - 2.0	2411102-08	Soil	11/06/24 00:00	11/06/24 16:30
BG03 - 4.0	2411102-09	Soil	11/06/24 00:00	11/06/24 16:30
BG04 - 0.5	2411102-10	Soil	11/06/24 00:00	11/06/24 16:30
BG04 - 2.0	2411102-11	Soil	11/06/24 00:00	11/06/24 16:30
BG04 - 4.0	2411102-12	Soil	11/06/24 00:00	11/06/24 16:30
BG05 - 0.5	2411102-13	Soil	11/06/24 00:00	11/06/24 16:30
BG05 - 2.0	2411102-14	Soil	11/06/24 00:00	11/06/24 16:30
BG05 - 4.0	2411102-15	Soil	11/06/24 00:00	11/06/24 16:30

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

Lab ID	Page 1 of 1
2411102	

Client: Fremont	Send Data To: Project Manager: Paul Henehan	Send Invoice To: Company: Chevron
Address:	E-Mail: Distribution list	Project Name/Location:
City/State/Zip:		AFE#:
Phone: 813-514-7730	Project Name: WATSON Backgrounds	PO/Billing Codes: UWRWE-1A2767-1A31
Sampler Name: JOSHUA BELANGER	Project Number: Co24-131	Contact: Mike Montoya

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix		Analysis Requested				Special Instructions
					HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other	915 metals	Boron/EC/SAR	
1	B601-0.5	11/6		2			X			X			X	X	
2	B601-2.0														
3	B601-4.0														
4	B602-0.5														
5	B602-2.0														
6	B602-4.0														
7	B603-0.5														
8	B603-2.0														
9	B603-4.0														
10	B604-0.5														
11	B604-2.0														
12	B604-4.0														
13	B605-0.5														
14	B605-2.0														
15	B605-4.0														

Relinquished by: <i>[Signature]</i>	Date/Time: 11/6 1300	Received by: Summit North	Date/Time: 11/6 1300	TAT Business Days	Field DO	Notes:
				Same Day	Field EC	
Relinquished by: <i>[Signature]</i>	Date/Time: 11/6 1430	Received by: <i>[Signature]</i>	Date/Time: 11/6 1430	1 Day	Field ORP	
				2 Days	Field pH	
Relinquished by:	Date/Time:	Received by:	Date/Time:	3 Days	Field Temp.	
				Standard	Field Turb. <input checked="" type="checkbox"/>	
Temperature Upon Receipt: 7.1	Corrected Temperature: 8	IR gun #: 1	HNO3 lot #:			

S₂

Sample Receipt Checklist

S2 Work Order# 241102

Client: Fremont Client Project ID: Watson Backgrounds

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

Matrix (Check all that apply) Air Soil/Solid Water Other

Temp (°C) Thermometer #

	Yes	No	N/A	Comments (if any)
If samples require cooling, is the temperature < 6°C? ⁽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"/>	
If custody seals are present, are they intact? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	OK
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"/>	
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 type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
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"/>	
Additional Comments (if any):				

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

AS
Custodian Printed Name

11/6/24
Date/Time



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - Watson Backgrounds

Project Number: CO24-131
Project Manager: Paul Henchan

Reported:
11/27/24 10:31

BG01 - 0.5
2411102-01 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Boron	ND	2.00		mg/L	1	BHK0570	11/12/24	11/13/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Arsenic	5.04	0.200		mg/kg dry	1	BHK1047	11/20/24	11/26/24	EPA 6020B	
Barium	59.2	0.400		"	"	"	"	"	"	
Cadmium	0.246	0.200		"	"	"	"	"	"	
Copper	6.10	0.400		"	"	"	"	"	"	
Lead	7.48	0.200		"	"	"	"	"	"	
Nickel	4.52	0.400		"	"	"	"	"	"	
Silver	ND	0.0200		"	"	"	"	"	"	
Zinc	17.5	0.400		"	"	"	"	"	"	
Selenium	ND	0.260		"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Chromium, Hexavalent	ND	0.30		mg/kg dry	1	BHK0764	11/14/24	11/19/24	EPA 7196A	

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

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Calcium	37.6	0.0500		mg/L dry	1	BHK0894	11/17/24	11/22/24	EPA 6020B	
Magnesium	6.40	0.0500		"	"	"	"	"	"	
Sodium	4.05	0.0500		"	"	"	"	"	"	

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Reported:
11/27/24 10:31

BG01 - 0.5
2411102-01 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.161	0.00100	units	1	BHK1155	11/22/24	11/22/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	97.4		%	1	BHK0520	11/11/24	11/13/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.168	0.0100	mmhos/cm	1	BHK0895	11/17/24	11/21/24	EPA 120.1	

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

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.98		pH Units	1	BHK0896	11/17/24	11/21/24	EPA 9045D	

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Project: Chevron - Watson Backgrounds

Project Number: CO24-131
Project Manager: Paul Henchan

Reported:
11/27/24 10:31

BG01 - 2.0
2411102-02 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHK0570	11/12/24	11/13/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	3.46	0.200	mg/kg dry	1	BHK1047	11/20/24	11/26/24	EPA 6020B	
Barium	63.3	0.400	"	"	"	"	"	"	
Cadmium	0.201	0.200	"	"	"	"	"	"	
Copper	5.03	0.400	"	"	"	"	"	"	
Lead	6.04	0.200	"	"	"	"	"	"	
Nickel	4.82	0.400	"	"	"	"	"	"	
Silver	0.0277	0.0200	"	"	"	"	"	"	
Zinc	19.4	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHK0764	11/14/24	11/19/24	EPA 7196A	

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

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	38.3	0.0500	mg/L dry	1	BHK0894	11/17/24	11/22/24	EPA 6020B	
Magnesium	3.09	0.0500	"	"	"	"	"	"	
Sodium	3.38	0.0500	"	"	"	"	"	"	

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Reported:
 11/27/24 10:31

BG01 - 2.0
2411102-02 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.141	0.00100	units	1	BHK1155	11/22/24	11/22/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	91.6		%	1	BHK0520	11/11/24	11/13/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.163	0.0100	mmhos/cm	1	BHK0895	11/17/24	11/21/24	EPA 120.1	

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

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.73		pH Units	1	BHK0896	11/17/24	11/21/24	EPA 9045D	

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Project: Chevron - Watson Backgrounds

Project Number: CO24-131
Project Manager: Paul Henchan

Reported:
11/27/24 10:31

BG01 - 4.0
2411102-03 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Boron	ND	2.00		mg/L	1	BHK0570	11/12/24	11/13/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Arsenic	5.26	0.200		mg/kg dry	1	BHK1047	11/20/24	11/26/24	EPA 6020B	
Barium	70.2	0.400		"	"	"	"	"	"	
Cadmium	0.222	0.200		"	"	"	"	"	"	
Copper	6.55	0.400		"	"	"	"	"	"	
Lead	6.42	0.200		"	"	"	"	"	"	
Nickel	4.53	0.400		"	"	"	"	"	"	
Silver	0.0243	0.0200		"	"	"	"	"	"	
Zinc	17.9	0.400		"	"	"	"	"	"	
Selenium	ND	0.260		"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Chromium, Hexavalent	ND	0.30		mg/kg dry	1	BHK0764	11/14/24	11/19/24	EPA 7196A	

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

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Calcium	33.0	0.0500		mg/L dry	1	BHK0894	11/17/24	11/22/24	EPA 6020B	
Magnesium	4.53	0.0500		"	"	"	"	"	"	
Sodium	2.04	0.0500		"	"	"	"	"	"	

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Project: Chevron - Watson Backgrounds

Project Number: CO24-131
 Project Manager: Paul Henchan

Reported:
 11/27/24 10:31

BG01 - 4.0
2411102-03 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.0883	0.00100	units	1	BHK1155	11/22/24	11/22/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	90.6		%	1	BHK0520	11/11/24	11/13/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.235	0.0100	mmhos/cm	1	BHK0895	11/17/24	11/21/24	EPA 120.1	

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

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.43		pH Units	1	BHK0896	11/17/24	11/21/24	EPA 9045D	

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Project: Chevron - Watson Backgrounds

Project Number: CO24-131
Project Manager: Paul Henchan

Reported:
11/27/24 10:31

BG02 - 0.5
2411102-04 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHK0570	11/12/24	11/13/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	2.76	0.200	mg/kg dry	1	BHK1047	11/20/24	11/26/24	EPA 6020B	
Barium	49.3	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	4.79	0.400	"	"	"	"	"	"	
Lead	4.47	0.200	"	"	"	"	"	"	
Nickel	3.96	0.400	"	"	"	"	"	"	
Silver	0.0295	0.0200	"	"	"	"	"	"	
Zinc	15.9	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHK0764	11/14/24	11/19/24	EPA 7196A	

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

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	30.8	0.0500	mg/L dry	1	BHK0894	11/17/24	11/22/24	EPA 6020B	
Magnesium	4.22	0.0500	"	"	"	"	"	"	
Sodium	3.09	0.0500	"	"	"	"	"	"	

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Project: Chevron - Watson Backgrounds

Project Number: CO24-131
 Project Manager: Paul Henchan

Reported:
 11/27/24 10:31

BG02 - 0.5
2411102-04 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.138	0.00100	units	1	BHK1155	11/22/24	11/22/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	95.2		%	1	BHK0552	11/12/24	11/13/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.240	0.0100	mmhos/cm	1	BHK0895	11/17/24	11/21/24	EPA 120.1	

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

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.40		pH Units	1	BHK0896	11/17/24	11/21/24	EPA 9045D	

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Project: Chevron - Watson Backgrounds

Project Number: CO24-131
Project Manager: Paul Henchan

Reported:
11/27/24 10:31

BG02 - 2.0
2411102-05 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHK0570	11/12/24	11/13/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	3.21	0.200	mg/kg dry	1	BHK1047	11/20/24	11/26/24	EPA 6020B	
Barium	61.9	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	5.06	0.400	"	"	"	"	"	"	
Lead	5.60	0.200	"	"	"	"	"	"	
Nickel	4.55	0.400	"	"	"	"	"	"	
Silver	0.0270	0.0200	"	"	"	"	"	"	
Zinc	17.5	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHK0764	11/14/24	11/19/24	EPA 7196A	

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

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	46.1	0.0500	mg/L dry	1	BHK0894	11/17/24	11/22/24	EPA 6020B	
Magnesium	7.00	0.0500	"	"	"	"	"	"	
Sodium	4.53	0.0500	"	"	"	"	"	"	

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Chevron - Watson Backgrounds

Project Number: CO24-131
 Project Manager: Paul Henchan

Reported:
 11/27/24 10:31

BG02 - 2.0
2411102-05 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.164	0.00100	units	1	BHK1155	11/22/24	11/22/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	92.6		%	1	BHK0552	11/12/24	11/13/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.322	0.0100	mmhos/cm	1	BHK0895	11/17/24	11/21/24	EPA 120.1	

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

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.35		pH Units	1	BHK0896	11/17/24	11/21/24	EPA 9045D	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - Watson Backgrounds

Project Number: CO24-131
Project Manager: Paul Henchan

Reported:
11/27/24 10:31

BG02 - 4.0
2411102-06 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHK0570	11/12/24	11/13/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	4.50	0.200	mg/kg dry	1	BHK1047	11/20/24	11/26/24	EPA 6020B	
Barium	71.6	0.400	"	"	"	"	"	"	
Cadmium	0.209	0.200	"	"	"	"	"	"	
Copper	5.89	0.400	"	"	"	"	"	"	
Lead	6.87	0.200	"	"	"	"	"	"	
Nickel	5.32	0.400	"	"	"	"	"	"	
Silver	0.0297	0.0200	"	"	"	"	"	"	
Zinc	19.5	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHK0764	11/14/24	11/19/24	EPA 7196A	

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

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	27.2	0.0500	mg/L dry	1	BHK0894	11/17/24	11/22/24	EPA 6020B	
Magnesium	3.89	0.0500	"	"	"	"	"	"	
Sodium	2.38	0.0500	"	"	"	"	"	"	

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Chevron - Watson Backgrounds

Project Number: CO24-131
 Project Manager: Paul Henchan

Reported:
 11/27/24 10:31

BG02 - 4.0
2411102-06 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.113	0.00100	units	1	BHK1155	11/22/24	11/22/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	93.2		%	1	BHK0552	11/12/24	11/13/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.211	0.0100	mmhos/cm	1	BHK0895	11/17/24	11/21/24	EPA 120.1	

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

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.55		pH Units	1	BHK0896	11/17/24	11/21/24	EPA 9045D	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - Watson Backgrounds

Project Number: CO24-131
Project Manager: Paul Henchan

Reported:
11/27/24 10:31

BG03 - 0.5
2411102-07 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHK0570	11/12/24	11/13/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	2.59	0.200	mg/kg dry	1	BHK1047	11/20/24	11/26/24	EPA 6020B	
Barium	48.0	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	4.86	0.400	"	"	"	"	"	"	
Lead	4.50	0.200	"	"	"	"	"	"	
Nickel	3.94	0.400	"	"	"	"	"	"	
Silver	0.0208	0.0200	"	"	"	"	"	"	
Zinc	15.0	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHK0764	11/14/24	11/19/24	EPA 7196A	

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

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	25.9	0.0500	mg/L dry	1	BHK0894	11/17/24	11/22/24	EPA 6020B	
Magnesium	4.26	0.0500	"	"	"	"	"	"	
Sodium	3.24	0.0500	"	"	"	"	"	"	

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Chevron - Watson Backgrounds

Project Number: CO24-131
 Project Manager: Paul Henchan

Reported:
 11/27/24 10:31

BG03 - 0.5
2411102-07 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.155	0.00100	units	1	BHK1155	11/22/24	11/22/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	95.1		%	1	BHK0552	11/12/24	11/13/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.227	0.0100	mmhos/cm	1	BHK0895	11/17/24	11/21/24	EPA 120.1	

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

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.40		pH Units	1	BHK0896	11/17/24	11/21/24	EPA 9045D	

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Chevron - Watson Backgrounds

Project Number: CO24-131
 Project Manager: Paul Henchan

Reported:
 11/27/24 10:31

BG03 - 2.0
2411102-08 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Boron	ND	2.00		mg/L	1	BHK0570	11/12/24	11/13/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Arsenic	2.72	0.200		mg/kg dry	1	BHK1047	11/20/24	11/26/24	EPA 6020B	
Barium	58.0	0.400		"	"	"	"	"	"	
Cadmium	ND	0.200		"	"	"	"	"	"	
Copper	4.52	0.400		"	"	"	"	"	"	
Lead	4.51	0.200		"	"	"	"	"	"	
Nickel	4.06	0.400		"	"	"	"	"	"	
Silver	0.0233	0.0200		"	"	"	"	"	"	
Zinc	16.3	0.400		"	"	"	"	"	"	
Selenium	ND	0.260		"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Chromium, Hexavalent	ND	0.30		mg/kg dry	1	BHK0764	11/14/24	11/19/24	EPA 7196A	

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

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Calcium	28.6	0.0500		mg/L dry	1	BHK0894	11/17/24	11/22/24	EPA 6020B	
Magnesium	4.36	0.0500		"	"	"	"	"	"	
Sodium	3.03	0.0500		"	"	"	"	"	"	

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Fremont Environmental
 PO Box 1289
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Project: Chevron - Watson Backgrounds

Project Number: CO24-131
 Project Manager: Paul Henchan

Reported:
 11/27/24 10:31

BG03 - 2.0
2411102-08 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.139	0.00100	units	1	BHK1155	11/22/24	11/22/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	94.2		%	1	BHK0552	11/12/24	11/13/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.252	0.0100	mmhos/cm	1	BHK0895	11/17/24	11/21/24	EPA 120.1	

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

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.42		pH Units	1	BHK0896	11/17/24	11/21/24	EPA 9045D	

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - Watson Backgrounds

Project Number: CO24-131
Project Manager: Paul Henchan

Reported:
11/27/24 10:31

BG03 - 4.0
2411102-09 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHK0570	11/12/24	11/13/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	5.20	0.200	mg/kg dry	1	BHK1047	11/20/24	11/26/24	EPA 6020B	
Barium	81.3	0.400	"	"	"	"	"	"	
Cadmium	0.257	0.200	"	"	"	"	"	"	
Copper	6.39	0.400	"	"	"	"	"	"	
Lead	6.59	0.200	"	"	"	"	"	"	
Nickel	5.49	0.400	"	"	"	"	"	"	
Silver	0.0354	0.0200	"	"	"	"	"	"	
Zinc	20.1	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHK0764	11/14/24	11/19/24	EPA 7196A	

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

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	114	0.0500	mg/L dry	1	BHK0894	11/17/24	11/22/24	EPA 6020B	
Magnesium	3.54	0.0500	"	"	"	"	"	"	
Sodium	2.64	0.0500	"	"	"	"	"	"	

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Chevron - Watson Backgrounds

Project Number: CO24-131
 Project Manager: Paul Henchan

Reported:
 11/27/24 10:31

BG03 - 4.0
2411102-09 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.0664	0.00100	units	1	BHK1155	11/22/24	11/22/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	86.5		%	1	BHK0552	11/12/24	11/13/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.154	0.0100	mmhos/cm	1	BHK0895	11/17/24	11/21/24	EPA 120.1	

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

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.78		pH Units	1	BHK0896	11/17/24	11/21/24	EPA 9045D	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - Watson Backgrounds

Project Number: CO24-131
Project Manager: Paul Henchan

Reported:
11/27/24 10:31

BG04 - 0.5
2411102-10 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHK0570	11/12/24	11/13/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	2.69	0.200	mg/kg dry	1	BHK1047	11/20/24	11/26/24	EPA 6020B	
Barium	49.8	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	4.89	0.400	"	"	"	"	"	"	
Lead	4.15	0.200	"	"	"	"	"	"	
Nickel	3.93	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	15.0	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHK0764	11/14/24	11/19/24	EPA 7196A	

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

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	27.1	0.0500	mg/L dry	1	BHK0894	11/17/24	11/22/24	EPA 6020B	
Magnesium	4.08	0.0500	"	"	"	"	"	"	
Sodium	2.96	0.0500	"	"	"	"	"	"	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - Watson Backgrounds

Project Number: CO24-131
Project Manager: Paul Henchan

Reported:
11/27/24 10:31

BG04 - 0.5
2411102-10 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.140	0.00100	units	1	BHK1155	11/22/24	11/22/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	95.1		%	1	BHK0552	11/12/24	11/13/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.224	0.0100	mmhos/cm	1	BHK0895	11/17/24	11/21/24	EPA 120.1	

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

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.37		pH Units	1	BHK0896	11/17/24	11/21/24	EPA 9045D	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - Watson Backgrounds

Project Number: CO24-131
Project Manager: Paul Henchan

Reported:
11/27/24 10:31

BG04 - 2.0
2411102-11 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHK0570	11/12/24	11/13/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	2.81	0.200	mg/kg dry	1	BHK1047	11/20/24	11/26/24	EPA 6020B	
Barium	57.4	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	4.66	0.400	"	"	"	"	"	"	
Lead	5.26	0.200	"	"	"	"	"	"	
Nickel	4.30	0.400	"	"	"	"	"	"	
Silver	0.0239	0.0200	"	"	"	"	"	"	
Zinc	16.7	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHK0764	11/14/24	11/19/24	EPA 7196A	

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

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	41.9	0.0500	mg/L dry	1	BHK0894	11/17/24	11/22/24	EPA 6020B	
Magnesium	6.61	0.0500	"	"	"	"	"	"	
Sodium	4.35	0.0500	"	"	"	"	"	"	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - Watson Backgrounds

Project Number: CO24-131
Project Manager: Paul Henchan

Reported:
11/27/24 10:31

BG04 - 2.0
2411102-11 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.165	0.00100	units	1	BHK1155	11/22/24	11/22/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	93.5		%	1	BHK0552	11/12/24	11/13/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.328	0.0100	mmhos/cm	1	BHK0895	11/17/24	11/21/24	EPA 120.1	

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

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.30		pH Units	1	BHK0896	11/17/24	11/21/24	EPA 9045D	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - Watson Backgrounds

Project Number: CO24-131
Project Manager: Paul Henchan

Reported:
11/27/24 10:31

BG04 - 4.0
2411102-12 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Boron	ND	2.00		mg/L	1	BHK0570	11/12/24	11/13/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Arsenic	4.04	0.200		mg/kg dry	1	BHK1047	11/20/24	11/26/24	EPA 6020B	
Barium	80.1	0.400		"	"	"	"	"	"	
Cadmium	0.232	0.200		"	"	"	"	"	"	
Copper	5.64	0.400		"	"	"	"	"	"	
Lead	6.54	0.200		"	"	"	"	"	"	
Nickel	5.96	0.400		"	"	"	"	"	"	
Silver	0.0389	0.0200		"	"	"	"	"	"	
Zinc	20.9	0.400		"	"	"	"	"	"	
Selenium	ND	0.260		"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Chromium, Hexavalent	ND	0.30		mg/kg dry	1	BHK0764	11/14/24	11/19/24	EPA 7196A	

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

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Calcium	83.2	0.0500		mg/L dry	1	BHK0894	11/17/24	11/22/24	EPA 6020B	
Magnesium	4.05	0.0500		"	"	"	"	"	"	
Sodium	3.05	0.0500		"	"	"	"	"	"	

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Project: Chevron - Watson Backgrounds

Project Number: CO24-131
 Project Manager: Paul Henchan

Reported:
 11/27/24 10:31

BG04 - 4.0
2411102-12 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.0886	0.00100	units	1	BHK1155	11/22/24	11/22/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	83.2		%	1	BHK0552	11/12/24	11/13/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.152	0.0100	mmhos/cm	1	BHK0895	11/17/24	11/21/24	EPA 120.1	

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

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.80		pH Units	1	BHK0896	11/17/24	11/21/24	EPA 9045D	

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - Watson Backgrounds

Project Number: CO24-131
Project Manager: Paul Henchan

Reported:
11/27/24 10:31

BG05 - 0.5
2411102-13 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Boron	ND	2.00		mg/L	1	BHK0570	11/12/24	11/13/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Arsenic	2.92	0.200		mg/kg dry	1	BHK1047	11/20/24	11/26/24	EPA 6020B	
Barium	49.7	0.400		"	"	"	"	"	"	
Cadmium	ND	0.200		"	"	"	"	"	"	
Copper	4.92	0.400		"	"	"	"	"	"	
Lead	4.46	0.200		"	"	"	"	"	"	
Nickel	4.04	0.400		"	"	"	"	"	"	
Silver	0.0217	0.0200		"	"	"	"	"	"	
Zinc	17.7	0.400		"	"	"	"	"	"	
Selenium	ND	0.260		"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Chromium, Hexavalent	ND	0.30		mg/kg dry	1	BHK0764	11/14/24	11/19/24	EPA 7196A	

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

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Calcium	24.6	0.0500		mg/L dry	1	BHK0894	11/17/24	11/22/24	EPA 6020B	
Magnesium	3.62	0.0500		"	"	"	"	"	"	
Sodium	2.36	0.0500		"	"	"	"	"	"	

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Fremont Environmental
 PO Box 1289
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Project: Chevron - Watson Backgrounds

Project Number: CO24-131
 Project Manager: Paul Henchan

Reported:
 11/27/24 10:31

BG05 - 0.5
2411102-13 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.118	0.00100	units	1	BHK1155	11/22/24	11/22/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	93.8		%	1	BHK0552	11/12/24	11/13/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.190	0.0100	mmhos/cm	1	BHK0895	11/17/24	11/21/24	EPA 120.1	

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

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.57		pH Units	1	BHK0896	11/17/24	11/21/24	EPA 9045D	

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - Watson Backgrounds

Project Number: CO24-131
Project Manager: Paul Henchan

Reported:
11/27/24 10:31

BG05 - 2.0
2411102-14 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Boron	ND	2.00		mg/L	1	BHK0570	11/12/24	11/13/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Arsenic	3.91	0.200		mg/kg dry	1	BHK1047	11/20/24	11/26/24	EPA 6020B	
Barium	87.1	0.400		"	"	"	"	"	"	
Cadmium	0.236	0.200		"	"	"	"	"	"	
Copper	5.72	0.400		"	"	"	"	"	"	
Lead	6.50	0.200		"	"	"	"	"	"	
Nickel	5.57	0.400		"	"	"	"	"	"	
Silver	0.0355	0.0200		"	"	"	"	"	"	
Zinc	21.0	0.400		"	"	"	"	"	"	
Selenium	ND	0.260		"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Chromium, Hexavalent	ND	0.30		mg/kg dry	1	BHK0764	11/14/24	11/19/24	EPA 7196A	

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

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Calcium	28.7	0.0500		mg/L dry	1	BHK0894	11/17/24	11/22/24	EPA 6020B	
Magnesium	4.64	0.0500		"	"	"	"	"	"	
Sodium	3.48	0.0500		"	"	"	"	"	"	

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Project: Chevron - Watson Backgrounds

Project Number: CO24-131
 Project Manager: Paul Henchan

Reported:
 11/27/24 10:31

BG05 - 2.0
2411102-14 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.159	0.00100	units	1	BHK1155	11/22/24	11/22/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	92.3		%	1	BHK0552	11/12/24	11/13/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.243	0.0100	mmhos/cm	1	BHK0895	11/17/24	11/21/24	EPA 120.1	

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

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.48		pH Units	1	BHK0896	11/17/24	11/21/24	EPA 9045D	

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - Watson Backgrounds

Project Number: CO24-131
Project Manager: Paul Henchan

Reported:
11/27/24 10:31

BG05 - 4.0
2411102-15 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Boron	ND	2.00		mg/L	1	BHK0570	11/12/24	11/13/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Arsenic	4.31	0.200		mg/kg dry	1	BHK1048	11/20/24	11/23/24	EPA 6020B	
Barium	80.9	0.400		"	"	"	"	"	"	
Cadmium	0.233	0.200		"	"	"	"	"	"	
Copper	8.35	0.400		"	"	"	"	"	"	
Lead	6.75	0.200		"	"	"	"	"	"	
Nickel	8.37	0.400		"	"	"	"	"	"	
Silver	0.0407	0.0200		"	"	"	"	"	"	
Zinc	28.7	0.400		"	"	"	"	"	"	
Selenium	ND	0.260		"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Chromium, Hexavalent	ND	0.30		mg/kg dry	1	BHK0764	11/14/24	11/19/24	EPA 7196A	

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

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Calcium	64.5	0.0500		mg/L dry	1	BHK0894	11/17/24	11/22/24	EPA 6020B	
Magnesium	3.70	0.0500		"	"	"	"	"	"	
Sodium	3.58	0.0500		"	"	"	"	"	"	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - Watson Backgrounds

Project Number: CO24-131
Project Manager: Paul Henchan

Reported:
11/27/24 10:31

BG05 - 4.0
2411102-15 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.117	0.00100	units	1	BHK1155	11/22/24	11/22/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	85.8		%	1	BHK0552	11/12/24	11/13/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.163	0.0100	mmhos/cm	1	BHK0895	11/17/24	11/21/24	EPA 120.1	

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

Date Sampled: **11/06/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.71		pH Units	1	BHK0896	11/17/24	11/21/24	EPA 9045D	

Summit Scientific

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Fremont Environmental
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 Wellington CO, 80549

Project: Chevron - Watson Backgrounds

Project Number: CO24-131
 Project Manager: Paul Henchan

Reported:
 11/27/24 10:31

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

Summit Scientific

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

Batch BHK0570 - EPA 3050B

Blank (BHK0570-BLK1)

Prepared: 11/12/24 Analyzed: 11/13/24

Boron ND 2.00 mg/L

LCS (BHK0570-BS1)

Prepared: 11/12/24 Analyzed: 11/13/24

Boron 4.77 2.00 mg/L 5.00 95.3 80-120

Duplicate (BHK0570-DUP1)

Source: 2411102-01

Prepared: 11/12/24 Analyzed: 11/13/24

Boron 0.150 2.00 mg/L 0.188 22.3 20 QR-01

Matrix Spike (BHK0570-MS1)

Source: 2411102-01

Prepared: 11/12/24 Analyzed: 11/13/24

Boron 5.03 2.00 mg/L 4.99 0.188 97.0 75-125

Matrix Spike Dup (BHK0570-MSD1)

Source: 2411102-01

Prepared: 11/12/24 Analyzed: 11/13/24

Boron 4.99 2.00 mg/L 4.99 0.188 96.2 75-125 0.762 25

Summit Scientific

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Fremont Environmental
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Project: Chevron - Watson Backgrounds

Project Number: CO24-131
 Project Manager: Paul Henchan

Reported:
 11/27/24 10:31

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BHK1047 - EPA 3050B

Blank (BHK1047-BLK1)

Prepared: 11/20/24 Analyzed: 11/26/24

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 (BHK1047-BS1)

Prepared: 11/20/24 Analyzed: 11/26/24

Arsenic	40.8	0.200	mg/kg wet	41.0	99.6	80-120
Barium	39.9	0.400	"	41.0	97.3	80-120
Cadmium	2.00	0.200	"	2.05	97.6	80-120
Copper	42.0	0.400	"	41.0	103	80-120
Lead	19.7	0.200	"	20.5	96.2	80-120
Nickel	41.0	0.400	"	41.0	100	80-120
Silver	2.01	0.0200	"	2.05	97.9	80-120
Zinc	43.2	0.400	"	41.0	105	80-120
Selenium	4.11	0.260	"	4.10	100	80-120

Duplicate (BHK1047-DUP1)

Source: 2411101-05

Prepared: 11/20/24 Analyzed: 11/26/24

Arsenic	2.48	0.200	mg/kg dry	3.58	36.1	20	QR-04
Barium	55.8	0.400	"	62.0	10.5	20	
Cadmium	0.158	0.200	"	0.171	7.84	20	
Copper	4.54	0.400	"	4.33	4.64	20	
Lead	4.88	0.200	"	6.20	23.8	20	QR-04
Nickel	3.99	0.400	"	3.43	15.1	20	
Silver	0.0238	0.0200	"	0.0204	15.3	20	
Zinc	15.8	0.400	"	13.7	14.2	20	
Selenium	ND	0.260	"	ND		20	

Summit Scientific

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Project: Chevron - Watson Backgrounds

Project Number: CO24-131
 Project Manager: Paul Henchan

Reported:
 11/27/24 10:31

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 BHK1047 - EPA 3050B

Matrix Spike (BHK1047-MS1)

Source: 2411101-05

Prepared: 11/20/24 Analyzed: 11/26/24

Arsenic	43.6	0.200	mg/kg dry	43.4	3.58	92.3	75-125			
Barium	98.7	0.400	"	43.4	62.0	84.7	75-125			
Cadmium	2.23	0.200	"	2.17	0.171	94.9	75-125			
Copper	34.8	0.400	"	43.4	4.33	70.2	75-125			QM-05
Lead	24.9	0.200	"	21.7	6.20	86.4	75-125			
Nickel	33.9	0.400	"	43.4	3.43	70.2	75-125			QM-05
Silver	4.08	0.0200	"	2.17	0.0204	187	75-125			QM-05
Zinc	47.9	0.400	"	43.4	13.7	78.9	75-125			
Selenium	3.72	0.260	"	4.34	ND	85.8	75-125			

Matrix Spike Dup (BHK1047-MSD1)

Source: 2411101-05

Prepared: 11/20/24 Analyzed: 11/26/24

Arsenic	42.1	0.200	mg/kg dry	42.3	3.58	91.0	75-125	3.52	25	
Barium	101	0.400	"	42.3	62.0	92.2	75-125	2.34	25	
Cadmium	2.18	0.200	"	2.12	0.171	95.1	75-125	2.06	25	
Copper	32.9	0.400	"	42.3	4.33	67.4	75-125	5.57	25	QM-05
Lead	24.5	0.200	"	21.2	6.20	86.5	75-125	1.76	25	
Nickel	32.0	0.400	"	42.3	3.43	67.5	75-125	5.61	25	QM-05
Silver	3.97	0.0200	"	2.12	0.0204	187	75-125	2.75	25	QM-05
Zinc	45.5	0.400	"	42.3	13.7	75.1	75-125	5.11	25	
Selenium	3.48	0.260	"	4.23	ND	82.2	75-125	6.75	25	

Batch BHK1048 - EPA 3050B

Blank (BHK1048-BLK1)

Prepared: 11/20/24 Analyzed: 11/23/24

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	"							

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - Watson Backgrounds

Project Number: CO24-131
Project Manager: Paul Henchan

Reported:
11/27/24 10:31

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 BHK1048 - EPA 3050B

LCS (BHK1048-BS1)

Prepared: 11/20/24 Analyzed: 11/23/24

Arsenic	44.6	0.200	mg/kg wet	41.0		109	80-120			
Barium	43.4	0.400	"	41.0		106	80-120			
Cadmium	2.23	0.200	"	2.05		109	80-120			
Copper	45.6	0.400	"	41.0		111	80-120			
Lead	21.6	0.200	"	20.5		105	80-120			
Nickel	43.9	0.400	"	41.0		107	80-120			
Silver	1.65	0.0200	"	2.05		80.3	80-120			
Zinc	44.6	0.400	"	41.0		109	80-120			
Selenium	4.71	0.260	"	4.10		115	80-120			

Duplicate (BHK1048-DUP1)

Source: 2411100-01

Prepared: 11/20/24 Analyzed: 11/23/24

Arsenic	5.08	0.200	mg/kg dry		7.10			33.2	20	QR-04
Barium	101	0.400	"		73.7			31.5	20	QR-04
Cadmium	0.530	0.200	"		0.337			44.4	20	QR-01
Copper	18.2	0.400	"		9.42			63.8	20	QR-04
Lead	23.8	0.200	"		27.7			15.1	20	
Nickel	17.6	0.400	"		7.96			75.4	20	QR-04
Silver	0.0330	0.0200	"		0.0340			3.07	20	
Zinc	57.2	0.400	"		36.6			44.0	20	QR-04
Selenium	0.198	0.260	"		0.267			29.4	20	QR-01

Matrix Spike (BHK1048-MS1)

Source: 2411100-01

Prepared: 11/20/24 Analyzed: 11/23/24

Arsenic	46.4	0.200	mg/kg dry	47.3	7.10	83.0	75-125			
Barium	122	0.400	"	47.3	73.7	101	75-125			
Cadmium	2.40	0.200	"	2.36	0.337	87.3	75-125			
Copper	53.1	0.400	"	47.3	9.42	92.3	75-125			
Lead	38.7	0.200	"	23.6	27.7	46.4	75-125			QM-05
Nickel	49.0	0.400	"	47.3	7.96	86.9	75-125			
Silver	2.81	0.0200	"	2.36	0.0340	117	75-125			
Zinc	78.4	0.400	"	47.3	36.6	88.3	75-125			
Selenium	4.67	0.260	"	4.73	0.267	93.2	75-125			

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Project: Chevron - Watson Backgrounds

Project Number: CO24-131
 Project Manager: Paul Henchan

Reported:
 11/27/24 10:31

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BHK1048 - EPA 3050B

Matrix Spike Dup (BHK1048-MSD1)	Source: 2411100-01			Prepared: 11/20/24 Analyzed: 11/23/24							
Arsenic	53.4	0.200	mg/kg dry	48.1	7.10	96.4	75-125	14.2	25		
Barium	120	0.400	"	48.1	73.7	96.6	75-125	1.10	25		
Cadmium	2.61	0.200	"	2.40	0.337	94.6	75-125	8.37	25		
Copper	59.6	0.400	"	48.1	9.42	104	75-125	11.5	25		
Lead	54.2	0.200	"	24.0	27.7	110	75-125	33.4	25		QM-05
Nickel	53.3	0.400	"	48.1	7.96	94.3	75-125	8.35	25		
Silver	2.85	0.0200	"	2.40	0.0340	117	75-125	1.39	25		
Zinc	90.4	0.400	"	48.1	36.6	112	75-125	14.2	25		
Selenium	4.42	0.260	"	4.81	0.267	86.4	75-125	5.51	25		

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Project: Chevron - Watson Backgrounds

Project Number: CO24-131
 Project Manager: Paul Henchan

Reported:
 11/27/24 10:31

Hexavalent Chromium by EPA Method 7196 - Quality Control
Summit Scientific

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

Batch BHK0764 - 3060A Mod

Blank (BHK0764-BLK1)

Prepared: 11/14/24 Analyzed: 11/19/24

Chromium, Hexavalent ND 0.30 mg/kg wet

LCS (BHK0764-BS1)

Prepared: 11/14/24 Analyzed: 11/19/24

Chromium, Hexavalent 25.1 0.30 mg/kg wet 25.0 100 80-120

Duplicate (BHK0764-DUP1)

Source: 2411101-01

Prepared: 11/14/24 Analyzed: 11/19/24

Chromium, Hexavalent ND 0.30 mg/kg dry ND 20

Matrix Spike (BHK0764-MS1)

Source: 2411101-01

Prepared: 11/14/24 Analyzed: 11/19/24

Chromium, Hexavalent 28.7 0.30 mg/kg dry 29.4 ND 97.8 75-125

Matrix Spike Dup (BHK0764-MSD1)

Source: 2411101-01

Prepared: 11/14/24 Analyzed: 11/19/24

Chromium, Hexavalent 30.3 0.30 mg/kg dry 29.4 ND 103 75-125 5.37 20

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Project: Chevron - Watson Backgrounds

Project Number: CO24-131
 Project Manager: Paul Henchan

Reported:
 11/27/24 10:31

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 BHK0894 - General Preparation

Blank (BHK0894-BLK1)

Prepared: 11/17/24 Analyzed: 11/22/24

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

LCS (BHK0894-BS1)

Prepared: 11/17/24 Analyzed: 11/22/24

Calcium	5.33	0.0500	mg/L wet	5.00		107	70-130			
Magnesium	5.11	0.0500	"	5.00		102	70-130			
Sodium	5.24	0.0500	"	5.00		105	70-130			

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Project: Chevron - Watson Backgrounds

Project Number: CO24-131
 Project Manager: Paul Henchan

Reported:
 11/27/24 10:31

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 BHK0520 - General Preparation

Duplicate (BHK0520-DUP1)		Source: 2408190-03		Prepared: 11/11/24 Analyzed: 11/13/24		
% Solids	95.4		%		95.2	0.220 20

Batch BHK0552 - General Preparation

Duplicate (BHK0552-DUP1)		Source: 2411102-04		Prepared: 11/12/24 Analyzed: 11/13/24		
% Solids	95.0		%		95.2	0.165 20

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Project: Chevron - Watson Backgrounds

Project Number: CO24-131
 Project Manager: Paul Henchan

Reported:
 11/27/24 10:31

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 BHK0895 - General Preparation

Blank (BHK0895-BLK1)

Prepared: 11/17/24 Analyzed: 11/21/24

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BHK0895-BS1)

Prepared: 11/17/24 Analyzed: 11/21/24

Specific Conductance (EC) 0.156 0.0100 mmhos/cm 0.150 104 95-105

Duplicate (BHK0895-DUP1)

Source: 2409466-04

Prepared: 11/17/24 Analyzed: 11/21/24

Specific Conductance (EC) 1.66 0.0100 mmhos/cm 1.68 1.25 20

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Project: Chevron - Watson Backgrounds

Project Number: CO24-131
 Project Manager: Paul Henchan

Reported:
 11/27/24 10:31

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 BHK0896 - General Preparation

LCS (BHK0896-BS1)

Prepared: 11/17/24 Analyzed: 11/21/24

pH	9.15	pH Units	9.18	99.7	95-105
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Duplicate (BHK0896-DUP1)

Source: 2409466-04

Prepared: 11/17/24 Analyzed: 11/21/24

pH	8.82	pH Units	8.83	0.113	20
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Project: Chevron - Watson Backgrounds

Project Number: CO24-131
Project Manager: Paul Henchan

Reported:
11/27/24 10:31

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.
- 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.
- 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