

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

September 06, 2024

Justin Onwiler

ERM

555 17th St

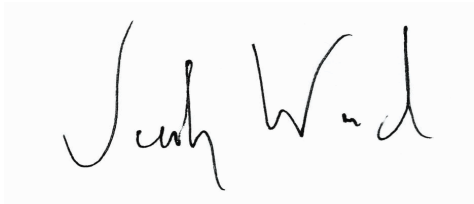
Denver, CO 80202

RE: Chevron Sampling

Work Order #2408356

Enclosed are the results of analyses for samples received by Summit Scientific on 08/28/24 16:46. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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

Jacob Wood For Paul Shrewsbury

President



ERM
555 17th St
Denver CO, 80202

Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
31282-BG-01-7-20240828	2408356-01	Soil	08/28/24 10:30	08/28/24 16:46
31282-BG-02-7-20240828	2408356-02	Soil	08/28/24 11:00	08/28/24 16:46
31282-BG-03-7-20240828	2408356-03	Soil	08/28/24 11:30	08/28/24 16:46
31282-WH-01-E-9-20240828	2408356-04	Soil	08/28/24 11:11	08/28/24 16:46
31282-WH-01-E-7-20240828	2408356-05	Soil	08/28/24 11:05	08/28/24 16:46
31282-WH-01-E-5-20240828	2408356-06	Soil	08/28/24 11:36	08/28/24 16:46
31282-WH-01-N-5-20240828	2408356-07	Soil	08/28/24 10:12	08/28/24 16:46
31282-WH-01-N-7-20240828	2408356-08	Soil	08/28/24 10:17	08/28/24 16:46
31282-WH-01-N-9-20240828	2408356-09	Soil	08/28/24 10:25	08/28/24 16:46
31282-WH-01-S-7-20240828	2408356-10	Soil	08/28/24 11:36	08/28/24 16:46
31282-WH-01-S-5-20240828	2408356-11	Soil	08/28/24 11:32	08/28/24 16:46
31282-WH-01-S-9-20240828	2408356-12	Soil	08/28/24 11:42	08/28/24 16:46
31282-WH-01-W-5-20240828	2408356-13	Soil	08/28/24 09:32	08/28/24 16:46
31282-WH-01-W-7-20240828	2408356-14	Soil	08/28/24 09:41	08/28/24 16:46
31282-WH-01-W-9-20240828	2408356-15	Soil	08/28/24 09:47	08/28/24 16:46
24380-FL-02-E-1-20240828	2408356-16	Soil	08/28/24 13:15	08/28/24 16:46
24380-FL-02-E-3-20240828	2408356-17	Soil	08/28/24 13:25	08/28/24 16:46
24380-FL-02-E-5-20240828	2408356-18	Soil	08/28/24 13:30	08/28/24 16:46
24380-FL-02-N-1-20240828	2408356-19	Soil	08/28/24 13:40	08/28/24 16:46
24380-FL-02-N-3-20240828	2408356-20	Soil	08/28/24 13:50	08/28/24 16:46
24380-FL-02-N-5-20240828	2408356-21	Soil	08/28/24 14:00	08/28/24 16:46
24380-FL-02-W-1-20240828	2408356-22	Soil	08/28/24 14:05	08/28/24 16:46
24380-FL-02-W-3-20240828	2408356-23	Soil	08/28/24 14:15	08/28/24 16:46
24380-FL-02-W-5-20240828	2408356-24	Soil	08/28/24 14:40	08/28/24 16:46
24380-FL-02-S-1-20240828	2408356-25	Soil	08/28/24 14:50	08/28/24 16:46
24380-FL-02-S-3-20240828	2408356-26	Soil	08/28/24 15:00	08/28/24 16:46
24380-FL-02-S-5-20240828	2408356-27	Soil	08/28/24 15:10	08/28/24 16:46

Summit Scientific

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ERM
555 17th St
Denver CO, 80202

Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
24380-FL-1-N-1-20240828	2408356-28	Soil	08/28/24 13:08	08/28/24 16:46
24380-FL-1-N-3-20240828	2408356-29	Soil	08/28/24 13:18	08/28/24 16:46
24380-FL-1-N-5-20240828	2408356-30	Soil	08/28/24 13:27	08/28/24 16:46
24380-FL-1-E-1-20240828	2408356-31	Soil	08/28/24 13:40	08/28/24 16:46
24380-FL-1-E-3-20240828	2408356-32	Soil	08/28/24 13:55	08/28/24 16:46
24380-FL-1-E-5-20240828	2408356-33	Soil	08/28/24 14:00	08/28/24 16:46
24380-FL-1-S-1-20240828	2408356-34	Soil	08/28/24 14:12	08/28/24 16:46
24380-FL-1-S-3-20240828	2408356-35	Soil	08/28/24 14:22	08/28/24 16:46
24380-FL-1-S-5-20240828	2408356-36	Soil	08/28/24 14:30	08/28/24 16:46
24380-FL-1-W-1-20240828	2408356-37	Soil	08/28/24 14:47	08/28/24 16:46
24380-FL-1-W-3-20240828	2408356-38	Soil	08/28/24 15:02	08/28/24 16:46
24380-FL-1-W-5-20240828	2408356-39	Soil	08/28/24 15:08	08/28/24 16:46

Summit Scientific

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

Lab ID	Page 1 of 3
2408356.1	

Client: ERM		Send Data To:		Send Invoice To:	
Address: 555 17th St #1700		Project Manager: Justin Onwiler		Company:	
City/State/Zip: Denver, CO, 80202		E-Mail: Justin.Onwiler@erm.com		Project Name/Location:	
Phone: 303-741-5050		Project Name: Chevron Sample		AFE#:	
Sampler Name: Andrew Minichon		Project Number: 0736294		PO/Billing Codes:	
				Contact:	

					Preservative				Matrix				Analysis Requested								Special Instructions	
ID	Sample Description	Date Sampled	Time Sampled	# of containers	HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other	PH 9045D	EC EPA 120.1	Metals 915	SAR 20B						
1	31282-BG-01-7-20240828	8/28/24	10:30	1			/						/	/	/							
2	31282-BG-02-7-20240828	8/28/24	11:00	1			/						/	/	/							
3	31282-BG-03-7-20240828	8/28/24	11:30	1			/						/	/	/							
4	31282-WH-01-E-8-20240828	8/28/24	11:11	1			/						/	/	/							
5	31282-WH-01-E-7-20240828	8/28/24	11:05	1			/						/	/	/							
6	31282-WH-01-E-5-20240828	8/28/24	11:36	1			/						/	/	/							
7	31282-WH-01-N-8-20240828	8/28/24	10:12	1			/						/	/	/							
8	31282-WH-01-N-7-20240828	8/28/24	10:17	1			/						/	/	/							
9	31282-WH-01-N-9-20240828	8/28/24	10:25	1			/						/	/	/							
10	31282-WH-01-S-7-20240828	8/28/24	11:36	1			/						/	/	/							
11	31282-WH-01-S-5-20240828	8/28/24	11:32	1			/						/	/	/							
12	31282-WH-01-S-9-20240828	8/28/24	11:42	1			/						/	/	/							
13	31282-WH-01-W-5-20240828	8/28/24	9:32	1			/						/	/	/							
14	31282-WH-01-W-7-20240828	8/28/24	9:41	1			/						/	/	/							
15	31282-WH-01-W-9-20240828	8/28/24	9:47	1			/						/	/	/							

Relinquished by: <i>Andrew Minichon</i>	Date/Time: 8/28/24 16:55	Received by: <i>Justin Onwiler</i>	Date/Time: 8/28/24 16:46	TAT Business Days	Field DO	Notes:
Relinquished by:	Date/Time:	Received by:	Date/Time:	Same Day	Field EC	
				1 Day	Field ORP	
				2 Days	Field pH	
				3 Days	Field Temp.	
				Standard	X Field Turb.	
Temperature Upon Receipt: 14.50	Corrected Temperature	IR gun #: 2	HNO3 lot #:			

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

Lab ID	Page <u>2</u> of <u>3</u>
2408356.2	

Client:		Send Data To:		Send Invoice To:	
Address:		Project Manager:		Company:	
City/State/Zip:		E-Mail:		Project Name/Location:	
Phone:		Project Name:		AFE#:	
Sampler Name:		Project Number:		PO/Billing Codes:	
				Contact:	

					Preservative				Matrix				Analysis Requested								Special Instructions	
ID	Sample Description	Date Sampled	Time Sampled	# of containers	HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other	PH	EC	EPA	Metals	SAR	DOB				
1	24380-FL-02-6-1-20240828	8/28/24	1315	1									PH 7045D	/	/	/	/	/				
2	24380-FL-02-6-3-20240828	8/28/24	1325	1										/	/	/	/	/				
3	24380-FL-02-6-5-20240828	8/28/24	1330	1										/	/	/	/	/				
4	24380-FL-02-N-1-20240828	8/28/24	1340	1										/	/	/	/	/				
5	24380-FL-02-N-3-20240828	8/28/24	1350	1										/	/	/	/	/				
6	24380-FL-02-N-5-20240828	8/28/24	1400	1										/	/	/	/	/				
7	24380-FL-02-W-1-20240828	8/28/24	1405	1										/	/	/	/	/				
8	24380-FL-02-W-3-20240828	8/28/24	1415	1										/	/	/	/	/				
9	24380-FL-02-W-5-20240828	8/28/24	1440	1										/	/	/	/	/				
10	24380-FL-02-S-1-20240828	8/28/24	1450	1										/	/	/	/	/				
11	24380-FL-02-S-3-20240828	8/28/24	1500	1										/	/	/	/	/				
12	24380-FL-02-S-5-20240828	8/28/24	1510	1										/	/	/	/	/				
13																						
14																						
15																						

Relinquished by: <u>Andy Minahan</u>	Date/Time: <u>8/28/24 16:15</u>	Received by: <u>Ch. [Signature]</u>	Date/Time: <u>8/28/24 16:40</u>	TAT Business Days	Field DO	Notes:
Relinquished by:	Date/Time:	Received by:	Date/Time:	Same Day	Field EC	
				1 Day	Field ORP	
				2 Days	Field pH	
				3 Days	Field Temp.	
				Standard	Field Turb.	
Temperature Upon Receipt: <u>14.6</u>	Corrected Temperature	IR gun #: <u>2</u>	HNO3 lot #:			

Worries

SUMMIT SCIENTIFIC

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

Lab ID	Page <u>3</u> of <u>3</u>
2408356.3	

Client:		Send Data To:	Send Invoice To:
Address:		Project Manager:	Company:
City/State/Zip:		E-Mail:	Project Name/Location:
Phone:		Project Name:	AFE#:
Sampler Name:		Project Number:	PO/Billing Codes:
		Contact:	

					Preservative				Matrix				Analysis Requested								Special Instructions			
ID	Sample Description	Date Sampled	Time Sampled	# of containers	HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other	PH 904SD	EC EPA 120.1	Metals 915 600B	SAR 30B								
1	24380-FL-1-N-1-20240826	8/28/24	13:08	1			/							/	/	/	/							
2	24380-FL-1-N-3-20240826	8/28/24	13:19	1			/							/	/	/	/							
3	24380-FL-1-N-5-20240828	8/28/24	13:27	1			/							/	/	/	/							
4	24380-FL-1-E-1-20240828	8/28/24	13:40	1			/							/	/	/	/							
5	24380-FL-1-B-3-20240828	8/28/24	13:55	1			/							/	/	/	/							
6	24380-FL-1-B-5-20240828	8/28/24	14:00	1			/							/	/	/	/							
7	24380-FL-1-S-1-20240828	8/28/24	14:12	1			/							/	/	/	/							
8	24380-FL-1-S-3-20240828	8/28/24	14:22	1			/							/	/	/	/							
9	24380-FL-1-S-5-20240828	8/28/24	14:30	1			/							/	/	/	/							
10	24380-FL-1-W-1-20240828	8/28/24	14:47	1			/							/	/	/	/							
11	24380-FL-1-W-3-20240828	8/28/24	15:02	1			/							/	/	/	/							
12	24380-FL-1-W-5-20240828	8/28/24	15:06	1			/							/	/	/	/							
13														/	/	/	/							
14																								
15																								

Relinquished by: <u>Andy Mink</u>	Date/Time: <u>8/28/24 16:13</u>	Received by: <u>Carli Smith</u>	Date/Time: <u>8/28/24 16:40</u>	TAT Business Days	Field DO	Notes:
Relinquished by:	Date/Time:	Received by:	Date/Time:	Same Day	Field EC	
				1 Day	Field ORP	
				2 Days	Field pH	
				3 Days	Field Temp.	
Relinquished by:	Date/Time:	Received by:	Date/Time:	Standard	Field Turb.	
Temperature Upon Receipt: <u>14.6</u>	Corrected Temperature	IR gun #: <u>2</u>	HNO3 lot #:			

S₂

3/3

Sample Receipt Checklist

S2 Work Order# 2408356

Client: ERMClient Project ID: Chewon SamplingShipped Via: H.D./P.U./FedEx/UPS/USPS/Other

Airbill #: _____

Matrix (Check all that apply)

Air

☐

Soil/Solid

☒

Water

☐

Other

☐

Temp (°C)

14.4

Thermometer #

2

	Yes	No	N/A	Comments (if any)
If samples require cooling, is the temperature < 6°C? ⁽¹⁾ NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	on ice
If custody seals are present, are they intact? ⁽¹⁾	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples due within 48 hours present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are water samples with short hold times present? Note the short hold analysis in the comments column - pH, Nitrate/Nitrite, Ferrous Iron (Fe ²⁺), Hexavalent Chromium (Cr ⁶⁺ , Cr VI), COD/BOD, Total Coliform, E. Coli, Total Residual Chlorine (TRC), Dissolved Oxygen	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out Completely? ⁽¹⁾	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	no matrix
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.				

Control Form #: SRC-001

Custodian Printed Name

Date/Time



ERM
555 17th St
Denver CO, 80202

Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

31282-BG-01-7-20240828

2408356-01 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **08/28/24 10:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	2.92	0.200	mg/kg dry	1	BHH0921	08/29/24	09/03/24	EPA 6020B	
Barium	50.0	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	3.44	0.400	"	"	"	"	"	"	
Lead	4.89	0.200	"	"	"	"	"	"	
Nickel	3.87	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	15.5	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **08/28/24 10:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHH0910	08/29/24	08/29/24	EPA 7196A	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/28/24 10:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	97.1		%	1	BHH0927	08/29/24	08/29/24	Calculation	

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

Date Sampled: **08/28/24 10:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	8.70		pH Units	1	BHH0893	08/29/24	09/03/24	EPA 9045D	

Saturation Paste by the Western Region Soil, Plant and Water Reference Methods 2013

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Denver CO, 80202

Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

31282-BG-01-7-20240828
2408356-01 (Soil)

Summit Scientific

Saturation Paste by the Western Region Soil, Plant and Water Reference Methods 2013

Date Sampled: **08/28/24 10:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Specific Conductance (EC)	0.381	0.0100		mmhos/cm	1	BHH0894	08/29/24	09/03/24	EPA 120.1	

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ERM
555 17th St
Denver CO, 80202

Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

31282-BG-02-7-20240828
2408356-02 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **08/28/24 11:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	3.04	0.200	mg/kg dry	1	BHH0921	08/29/24	09/03/24	EPA 6020B	
Barium	41.1	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	3.57	0.400	"	"	"	"	"	"	
Lead	5.18	0.200	"	"	"	"	"	"	
Nickel	4.10	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	17.5	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **08/28/24 11:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHH0910	08/29/24	08/29/24	EPA 7196A	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/28/24 11:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	97.3		%	1	BHH0927	08/29/24	08/29/24	Calculation	

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

Date Sampled: **08/28/24 11:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	9.01		pH Units	1	BHH0893	08/29/24	09/03/24	EPA 9045D	

Saturation Paste by the Western Region Soil, Plant and Water Reference Methods 2013

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ERM
555 17th St
Denver CO, 80202

Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

31282-BG-02-7-20240828
2408356-02 (Soil)

Summit Scientific

Saturation Paste by the Western Region Soil, Plant and Water Reference Methods 2013

Date Sampled: **08/28/24 11:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Specific Conductance (EC)	0.335	0.0100		mmhos/cm	1	BHH0894	08/29/24	09/03/24	EPA 120.1	

Summit Scientific

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ERM
555 17th St
Denver CO, 80202

Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

31282-BG-03-7-20240828
2408356-03 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **08/28/24 11:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	4.46	0.200	mg/kg dry	1	BHH0921	08/29/24	09/03/24	EPA 6020B	
Barium	55.8	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	4.19	0.400	"	"	"	"	"	"	
Lead	7.16	0.200	"	"	"	"	"	"	
Nickel	4.71	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	18.9	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **08/28/24 11:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHH0910	08/29/24	08/29/24	EPA 7196A	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/28/24 11:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	96.8		%	1	BHH0927	08/29/24	08/29/24	Calculation	

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

Date Sampled: **08/28/24 11:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	8.93		pH Units	1	BHH0893	08/29/24	09/03/24	EPA 9045D	

Saturation Paste by the Western Region Soil, Plant and Water Reference Methods 2013

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ERM
555 17th St
Denver CO, 80202

Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

31282-BG-03-7-20240828
2408356-03 (Soil)

Summit Scientific

Saturation Paste by the Western Region Soil, Plant and Water Reference Methods 2013

Date Sampled: **08/28/24 11:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Specific Conductance (EC)	0.658	0.0100		mmhos/cm	1	BHH0894	08/29/24	09/03/24	EPA 120.1	

Summit Scientific

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ERM
555 17th St
Denver CO, 80202

Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

31282-WH-01-E-9-20240828
2408356-04 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **08/28/24 11:11**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	3.33	0.200	mg/kg dry	1	BHH0921	08/29/24	09/03/24	EPA 6020B	
Barium	26.4	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	4.67	0.400	"	"	"	"	"	"	
Lead	5.99	0.200	"	"	"	"	"	"	
Nickel	3.89	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	18.8	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **08/28/24 11:11**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHH0910	08/29/24	08/29/24	EPA 7196A	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/28/24 11:11**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	95.3		%	1	BHH0927	08/29/24	08/29/24	Calculation	

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

Date Sampled: **08/28/24 11:11**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	9.15		pH Units	1	BHH0893	08/29/24	09/03/24	EPA 9045D	

Saturation Paste by the Western Region Soil, Plant and Water Reference Methods 2013

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ERM
555 17th St
Denver CO, 80202

Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

31282-WH-01-E-9-20240828
2408356-04 (Soil)

Summit Scientific

Saturation Paste by the Western Region Soil, Plant and Water Reference Methods 2013

Date Sampled: **08/28/24 11:11**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Specific Conductance (EC)	0.814	0.0100		mmhos/cm	1	BHH0894	08/29/24	09/03/24	EPA 120.1	

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ERM
555 17th St
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Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

31282-WH-01-E-7-20240828
2408356-05 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **08/28/24 11:05**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	3.01	0.200	mg/kg dry	1	BHH0921	08/29/24	09/03/24	EPA 6020B	
Barium	31.6	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	4.41	0.400	"	"	"	"	"	"	
Lead	11.1	0.200	"	"	"	"	"	"	
Nickel	4.73	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	18.1	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **08/28/24 11:05**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHH0910	08/29/24	08/29/24	EPA 7196A	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/28/24 11:05**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	95.3		%	1	BHH0927	08/29/24	08/29/24	Calculation	

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

Date Sampled: **08/28/24 11:05**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	8.48		pH Units	1	BHH0893	08/29/24	09/03/24	EPA 9045D	

Saturation Paste by the Western Region Soil, Plant and Water Reference Methods 2013

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Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

31282-WH-01-E-7-20240828
2408356-05 (Soil)

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Saturation Paste by the Western Region Soil, Plant and Water Reference Methods 2013

Date Sampled: **08/28/24 11:05**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Specific Conductance (EC)	2.55	0.0100		mmhos/cm	1	BHH0894	08/29/24	09/03/24	EPA 120.1	

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Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

31282-WH-01-E-5-20240828
2408356-06 (Soil)

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Total Metals by EPA 6020B

Date Sampled: **08/28/24 11:36**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	4.24	0.200	mg/kg dry	1	BHH0921	08/29/24	09/03/24	EPA 6020B	
Barium	52.4	0.400	"	"	"	"	"	"	
Cadmium	0.285	0.200	"	"	"	"	"	"	
Copper	12.1	0.400	"	"	"	"	"	"	
Lead	11.1	0.200	"	"	"	"	"	"	
Nickel	12.0	0.400	"	"	"	"	"	"	
Silver	0.0732	0.0200	"	"	"	"	"	"	
Zinc	49.5	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **08/28/24 11:36**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHH0910	08/29/24	08/29/24	EPA 7196A	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/28/24 11:36**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	84.9		%	1	BHH0927	08/29/24	08/29/24	Calculation	

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

Date Sampled: **08/28/24 11:36**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	8.04		pH Units	1	BHH0893	08/29/24	09/03/24	EPA 9045D	

Saturation Paste by the Western Region Soil, Plant and Water Reference Methods 2013

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Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

31282-WH-01-E-5-20240828
2408356-06 (Soil)

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Saturation Paste by the Western Region Soil, Plant and Water Reference Methods 2013

Date Sampled: **08/28/24 11:36**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Specific Conductance (EC)	7.43	0.0100		mmhos/cm	1	BHH0894	08/29/24	09/03/24	EPA 120.1	

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Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

31282-WH-01-N-5-20240828
2408356-07 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **08/28/24 10:12**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	3.60	0.200	mg/kg dry	1	BHH0921	08/29/24	09/03/24	EPA 6020B	
Barium	53.2	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	6.25	0.400	"	"	"	"	"	"	
Lead	6.77	0.200	"	"	"	"	"	"	
Nickel	6.91	0.400	"	"	"	"	"	"	
Silver	0.0303	0.0200	"	"	"	"	"	"	
Zinc	26.3	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **08/28/24 10:12**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHH0910	08/29/24	08/29/24	EPA 7196A	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/28/24 10:12**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	93.7		%	1	BHH0927	08/29/24	08/29/24	Calculation	

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

Date Sampled: **08/28/24 10:12**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	8.57		pH Units	1	BHH0893	08/29/24	09/03/24	EPA 9045D	

Saturation Paste by the Western Region Soil, Plant and Water Reference Methods 2013

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ERM
555 17th St
Denver CO, 80202

Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

31282-WH-01-N-5-20240828
2408356-07 (Soil)

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Saturation Paste by the Western Region Soil, Plant and Water Reference Methods 2013

Date Sampled: **08/28/24 10:12**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Specific Conductance (EC)	3.76	0.0100		mmhos/cm	1	BHH0894	08/29/24	09/03/24	EPA 120.1	

Summit Scientific

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ERM
555 17th St
Denver CO, 80202

Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

31282-WH-01-N-7-20240828
2408356-08 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **08/28/24 10:17**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	10.3	0.200	mg/kg dry	1	BHH0921	08/29/24	09/03/24	EPA 6020B	
Barium	52.8	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	5.43	0.400	"	"	"	"	"	"	
Lead	5.84	0.200	"	"	"	"	"	"	
Nickel	5.14	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	18.1	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **08/28/24 10:17**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHH0910	08/29/24	08/29/24	EPA 7196A	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/28/24 10:17**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	96.0		%	1	BHH0927	08/29/24	08/29/24	Calculation	

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

Date Sampled: **08/28/24 10:17**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	8.55		pH Units	1	BHH0893	08/29/24	09/03/24	EPA 9045D	

Saturation Paste by the Western Region Soil, Plant and Water Reference Methods 2013

Summit Scientific

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ERM
555 17th St
Denver CO, 80202

Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

31282-WH-01-N-7-20240828
2408356-08 (Soil)

Summit Scientific

Saturation Paste by the Western Region Soil, Plant and Water Reference Methods 2013

Date Sampled: **08/28/24 10:17**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Specific Conductance (EC)	3.25	0.0100		mmhos/cm	1	BHH0894	08/29/24	09/03/24	EPA 120.1	

Summit Scientific

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ERM
555 17th St
Denver CO, 80202

Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

31282-WH-01-N-9-20240828
2408356-09 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **08/28/24 10:25**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	3.33	0.200	mg/kg dry	1	BHH0921	08/29/24	09/03/24	EPA 6020B	
Barium	34.3	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	6.27	0.400	"	"	"	"	"	"	
Lead	5.80	0.200	"	"	"	"	"	"	
Nickel	9.01	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	20.3	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **08/28/24 10:25**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHH0910	08/29/24	08/29/24	EPA 7196A	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/28/24 10:25**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	95.3		%	1	BHH0927	08/29/24	08/29/24	Calculation	

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

Date Sampled: **08/28/24 10:25**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	9.16		pH Units	1	BHH0893	08/29/24	09/03/24	EPA 9045D	

Saturation Paste by the Western Region Soil, Plant and Water Reference Methods 2013

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ERM
555 17th St
Denver CO, 80202

Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

31282-WH-01-N-9-20240828
2408356-09 (Soil)

Summit Scientific

Saturation Paste by the Western Region Soil, Plant and Water Reference Methods 2013

Date Sampled: **08/28/24 10:25**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Specific Conductance (EC)	0.884	0.0100		mmhos/cm	1	BHH0894	08/29/24	09/03/24	EPA 120.1	

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ERM
555 17th St
Denver CO, 80202

Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

31282-WH-01-S-7-20240828
2408356-10 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **08/28/24 11:36**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	3.73	0.200	mg/kg dry	1	BHH0921	08/29/24	09/03/24	EPA 6020B	
Barium	95.5	0.400	"	"	"	"	"	"	
Cadmium	0.279	0.200	"	"	"	"	"	"	
Copper	10.8	0.400	"	"	"	"	"	"	
Lead	10.8	0.200	"	"	"	"	"	"	
Nickel	10.9	0.400	"	"	"	"	"	"	
Silver	0.0629	0.0200	"	"	"	"	"	"	
Zinc	45.4	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **08/28/24 11:36**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHH0910	08/29/24	08/29/24	EPA 7196A	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/28/24 11:36**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	87.0		%	1	BHH0927	08/29/24	08/29/24	Calculation	

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

Date Sampled: **08/28/24 11:36**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	8.55		pH Units	1	BHH0893	08/29/24	09/03/24	EPA 9045D	

Saturation Paste by the Western Region Soil, Plant and Water Reference Methods 2013

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Denver CO, 80202

Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

31282-WH-01-S-7-20240828
2408356-10 (Soil)

Summit Scientific

Saturation Paste by the Western Region Soil, Plant and Water Reference Methods 2013

Date Sampled: **08/28/24 11:36**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Specific Conductance (EC)	0.155	0.0100		mmhos/cm	1	BHH0894	08/29/24	09/03/24	EPA 120.1	

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Denver CO, 80202

Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

31282-WH-01-S-5-20240828
2408356-11 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **08/28/24 11:32**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	4.13	0.200	mg/kg dry	1	BHH0921	08/29/24	09/03/24	EPA 6020B	
Barium	90.6	0.400	"	"	"	"	"	"	
Cadmium	0.293	0.200	"	"	"	"	"	"	
Copper	12.2	0.400	"	"	"	"	"	"	
Lead	11.8	0.200	"	"	"	"	"	"	
Nickel	12.0	0.400	"	"	"	"	"	"	
Silver	0.0690	0.0200	"	"	"	"	"	"	
Zinc	50.6	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **08/28/24 11:32**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHH0910	08/29/24	08/29/24	EPA 7196A	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/28/24 11:32**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	86.1		%	1	BHH0927	08/29/24	08/29/24	Calculation	

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

Date Sampled: **08/28/24 11:32**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	7.95		pH Units	1	BHH0893	08/29/24	09/03/24	EPA 9045D	

Saturation Paste by the Western Region Soil, Plant and Water Reference Methods 2013

Summit Scientific

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ERM
555 17th St
Denver CO, 80202

Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

31282-WH-01-S-5-20240828
2408356-11 (Soil)

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Saturation Paste by the Western Region Soil, Plant and Water Reference Methods 2013

Date Sampled: **08/28/24 11:32**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Specific Conductance (EC)	5.72	0.0100		mmhos/cm	1	BHH0894	08/29/24	09/03/24	EPA 120.1	

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Project: Chevron Sampling
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Reported:
09/06/24 10:58

31282-WH-01-S-9-20240828
2408356-12 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **08/28/24 11:42**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	2.72	0.200	mg/kg dry	1	BHH0921	08/29/24	09/03/24	EPA 6020B	
Barium	38.4	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	3.47	0.400	"	"	"	"	"	"	
Lead	3.80	0.200	"	"	"	"	"	"	
Nickel	3.45	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	14.3	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **08/28/24 11:42**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHH0910	08/29/24	08/29/24	EPA 7196A	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/28/24 11:42**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	95.8		%	1	BHH0927	08/29/24	08/29/24	Calculation	

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

Date Sampled: **08/28/24 11:42**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	8.93		pH Units	1	BHH0893	08/29/24	09/03/24	EPA 9045D	

Saturation Paste by the Western Region Soil, Plant and Water Reference Methods 2013

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31282-WH-01-S-9-20240828
2408356-12 (Soil)

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Saturation Paste by the Western Region Soil, Plant and Water Reference Methods 2013

Date Sampled: **08/28/24 11:42**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Specific Conductance (EC)	0.552	0.0100		mmhos/cm	1	BHH0894	08/29/24	09/03/24	EPA 120.1	

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Project: Chevron Sampling
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Reported:
09/06/24 10:58

31282-WH-01-W-5-20240828
2408356-13 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **08/28/24 09:32**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	4.05	0.200	mg/kg dry	1	BHH0921	08/29/24	09/03/24	EPA 6020B	
Barium	95.1	0.400	"	"	"	"	"	"	
Cadmium	0.221	0.200	"	"	"	"	"	"	
Copper	9.05	0.400	"	"	"	"	"	"	
Lead	8.85	0.200	"	"	"	"	"	"	
Nickel	9.68	0.400	"	"	"	"	"	"	
Silver	0.0459	0.0200	"	"	"	"	"	"	
Zinc	36.5	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **08/28/24 09:32**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHH0910	08/29/24	08/29/24	EPA 7196A	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/28/24 09:32**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	87.8		%	1	BHH0927	08/29/24	08/29/24	Calculation	

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

Date Sampled: **08/28/24 09:32**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	8.00		pH Units	1	BHH0893	08/29/24	09/03/24	EPA 9045D	

Saturation Paste by the Western Region Soil, Plant and Water Reference Methods 2013

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Reported:
09/06/24 10:58

31282-WH-01-W-5-20240828
2408356-13 (Soil)

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Saturation Paste by the Western Region Soil, Plant and Water Reference Methods 2013

Date Sampled: **08/28/24 09:32**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Specific Conductance (EC)	5.18	0.0100		mmhos/cm	1	BHH0894	08/29/24	09/03/24	EPA 120.1	

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Project: Chevron Sampling
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Reported:
09/06/24 10:58

31282-WH-01-W-7-20240828
2408356-14 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **08/28/24 09:41**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	3.36	0.200	mg/kg dry	1	BHH0921	08/29/24	09/03/24	EPA 6020B	
Barium	46.9	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	4.99	0.400	"	"	"	"	"	"	
Lead	6.31	0.200	"	"	"	"	"	"	
Nickel	4.95	0.400	"	"	"	"	"	"	
Silver	0.0203	0.0200	"	"	"	"	"	"	
Zinc	20.5	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **08/28/24 09:41**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHH0910	08/29/24	08/29/24	EPA 7196A	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/28/24 09:41**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	95.1		%	1	BHH0927	08/29/24	08/29/24	Calculation	

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

Date Sampled: **08/28/24 09:41**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	8.85		pH Units	1	BHH0893	08/29/24	09/03/24	EPA 9045D	

Saturation Paste by the Western Region Soil, Plant and Water Reference Methods 2013

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Reported:
09/06/24 10:58

31282-WH-01-W-7-20240828
2408356-14 (Soil)

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Saturation Paste by the Western Region Soil, Plant and Water Reference Methods 2013

Date Sampled: **08/28/24 09:41**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Specific Conductance (EC)	0.895	0.0100		mmhos/cm	1	BHH0894	08/29/24	09/03/24	EPA 120.1	

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Reported:
09/06/24 10:58

31282-WH-01-W-9-20240828
2408356-15 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **08/28/24 09:47**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	3.45	0.200	mg/kg dry	1	BHH0921	08/29/24	09/03/24	EPA 6020B	
Barium	64.9	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	4.48	0.400	"	"	"	"	"	"	
Lead	7.32	0.200	"	"	"	"	"	"	
Nickel	5.07	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	18.7	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **08/28/24 09:47**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHH0910	08/29/24	08/29/24	EPA 7196A	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/28/24 09:47**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	95.5		%	1	BHH0927	08/29/24	08/29/24	Calculation	

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

Date Sampled: **08/28/24 09:47**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	9.08		pH Units	1	BHH0893	08/29/24	09/03/24	EPA 9045D	

Saturation Paste by the Western Region Soil, Plant and Water Reference Methods 2013

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Reported:
09/06/24 10:58

31282-WH-01-W-9-20240828
2408356-15 (Soil)

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Saturation Paste by the Western Region Soil, Plant and Water Reference Methods 2013

Date Sampled: **08/28/24 09:47**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Specific Conductance (EC)	0.800	0.0100		mmhos/cm	1	BHH0894	08/29/24	09/03/24	EPA 120.1	

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Project: Chevron Sampling
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Reported:
09/06/24 10:58

24380-FL-02-E-1-20240828
2408356-16 (Soil)

Summit Scientific

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

Date Sampled: **08/28/24 13:15**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	35.4	0.0500	mg/L dry	1	BHH0988	08/31/24	09/05/24	EPA 6020B	
Magnesium	9.83	0.0500	"	"	"	"	"	"	
Sodium	143	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **08/28/24 13:15**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	5.48	0.00100	units	1	BHI0162	09/06/24	09/06/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/28/24 13:15**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	94.8		%	1	BHH0927	08/29/24	08/29/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/28/24 13:15**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Specific Conductance (EC)	0.827	0.0100	mmhos/cm	1	BHH0990	08/31/24	09/03/24	EPA 120.1	

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Reported:
09/06/24 10:58

24380-FL-02-E-3-20240828
2408356-17 (Soil)

Summit Scientific

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

Date Sampled: **08/28/24 13:25**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	30.9	0.0500	mg/L dry	1	BHH0988	08/31/24	09/05/24	EPA 6020B	
Magnesium	11.7	0.0500	"	"	"	"	"	"	
Sodium	393	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **08/28/24 13:25**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	15.3	0.00100	units	1	BHI0162	09/06/24	09/06/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/28/24 13:25**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	87.5		%	1	BHH0927	08/29/24	08/29/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/28/24 13:25**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Specific Conductance (EC)	1.77	0.0100	mmhos/cm	1	BHH0990	08/31/24	09/03/24	EPA 120.1	

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Reported:
09/06/24 10:58

24380-FL-02-E-5-20240828
2408356-18 (Soil)

Summit Scientific

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

Date Sampled: **08/28/24 13:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	504	0.0500	mg/L dry	1	BHH0988	08/31/24	09/05/24	EPA 6020B	
Magnesium	157	0.0500	"	"	"	"	"	"	
Sodium	2040	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **08/28/24 13:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	20.3	0.00100	units	1	BHH0162	09/06/24	09/06/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/28/24 13:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	77.6		%	1	BHH0927	08/29/24	08/29/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/28/24 13:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Specific Conductance (EC)	8.00	0.0100	mmhos/cm	1	BHH0990	08/31/24	09/03/24	EPA 120.1	

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Reported:
09/06/24 10:58

24380-FL-02-N-1-20240828
2408356-19 (Soil)

Summit Scientific

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

Date Sampled: **08/28/24 13:40**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	424	0.0500	mg/L dry	1	BHH0988	08/31/24	09/05/24	EPA 6020B	
Magnesium	106	0.0500	"	"	"	"	"	"	
Sodium	415	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **08/28/24 13:40**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	4.67	0.00100	units	1	BHI0162	09/06/24	09/06/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/28/24 13:40**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	95.2		%	1	BHH0927	08/29/24	08/29/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/28/24 13:40**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Specific Conductance (EC)	3.56	0.0100	mmhos/cm	1	BHH0990	08/31/24	09/03/24	EPA 120.1	

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Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

24380-FL-02-N-3-20240828
2408356-20 (Soil)

Summit Scientific

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

Date Sampled: **08/28/24 13:50**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	275	0.0500	mg/L dry	1	BHH0988	08/31/24	09/05/24	EPA 6020B	
Magnesium	90.6	0.0500	"	"	"	"	"	"	
Sodium	712	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **08/28/24 13:50**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	9.52	0.00100	units	1	BHI0162	09/06/24	09/06/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/28/24 13:50**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	87.5		%	1	BHH0927	08/29/24	08/29/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/28/24 13:50**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Specific Conductance (EC)	4.10	0.0100	mmhos/cm	1	BHH0990	08/31/24	09/03/24	EPA 120.1	

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Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

24380-FL-02-N-5-20240828
2408356-21 (Soil)

Summit Scientific

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

Date Sampled: **08/28/24 14:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	393	0.0500	mg/L dry	1	BHH0988	08/31/24	09/05/24	EPA 6020B	
Magnesium	181	0.0500	"	"	"	"	"	"	
Sodium	2060	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **08/28/24 14:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	21.6	0.00100	units	1	BHI0162	09/06/24	09/06/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/28/24 14:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	78.8		%	1	BHH0928	08/29/24	08/29/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/28/24 14:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Specific Conductance (EC)	8.28	0.0100	mmhos/cm	1	BHH0990	08/31/24	09/03/24	EPA 120.1	

Summit Scientific

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ERM
555 17th St
Denver CO, 80202

Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

24380-FL-02-W-1-20240828
2408356-22 (Soil)

Summit Scientific

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

Date Sampled: **08/28/24 14:05**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	438	0.0500	mg/L dry	1	BHH0988	08/31/24	09/05/24	EPA 6020B	
Magnesium	91.1	0.0500	"	"	"	"	"	"	
Sodium	810	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **08/28/24 14:05**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	9.20	0.00100	units	1	BHI0162	09/06/24	09/06/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/28/24 14:05**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	83.1		%	1	BHH0928	08/29/24	08/29/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/28/24 14:05**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Specific Conductance (EC)	4.66	0.0100	mmhos/cm	1	BHH0990	08/31/24	09/03/24	EPA 120.1	

Summit Scientific

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ERM
555 17th St
Denver CO, 80202

Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

24380-FL-02-W-3-20240828
2408356-23 (Soil)

Summit Scientific

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

Date Sampled: **08/28/24 14:15**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	179	0.0500	mg/L dry	1	BHH0988	08/31/24	09/05/24	EPA 6020B	
Magnesium	91.2	0.0500	"	"	"	"	"	"	
Sodium	1550	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **08/28/24 14:15**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	23.5	0.00100	units	1	BHI0162	09/06/24	09/06/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/28/24 14:15**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	73.3		%	1	BHH0928	08/29/24	08/29/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/28/24 14:15**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Specific Conductance (EC)	5.74	0.0100	mmhos/cm	1	BHH0990	08/31/24	09/03/24	EPA 120.1	

Summit Scientific

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ERM
555 17th St
Denver CO, 80202

Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

24380-FL-02-W-5-20240828
2408356-24 (Soil)

Summit Scientific

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

Date Sampled: **08/28/24 14:40**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	27.5	0.0500	mg/L dry	1	BHH0988	08/31/24	09/05/24	EPA 6020B	
Magnesium	8.89	0.0500	"	"	"	"	"	"	
Sodium	407	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **08/28/24 14:40**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	17.3	0.00100	units	1	BHI0162	09/06/24	09/06/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/28/24 14:40**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	75.3		%	1	BHH0928	08/29/24	08/29/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/28/24 14:40**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Specific Conductance (EC)	1.54	0.0100	mmhos/cm	1	BHH0990	08/31/24	09/03/24	EPA 120.1	

Summit Scientific

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ERM
555 17th St
Denver CO, 80202

Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

24380-FL-02-S-1-20240828
2408356-25 (Soil)

Summit Scientific

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

Date Sampled: **08/28/24 14:50**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	67.2	0.0500	mg/L dry	1	BHH0988	08/31/24	09/05/24	EPA 6020B	
Magnesium	11.6	0.0500	"	"	"	"	"	"	
Sodium	61.5	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **08/28/24 14:50**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	1.82	0.00100	units	1	BHI0162	09/06/24	09/06/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/28/24 14:50**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	90.2		%	1	BHH0928	08/29/24	08/29/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/28/24 14:50**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Specific Conductance (EC)	0.991	0.0100	mmhos/cm	1	BHH0990	08/31/24	09/03/24	EPA 120.1	

Summit Scientific

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ERM
555 17th St
Denver CO, 80202

Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

24380-FL-02-S-3-20240828
2408356-26 (Soil)

Summit Scientific

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

Date Sampled: **08/28/24 15:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	69.4	0.0500	mg/L dry	1	BHH0988	08/31/24	09/05/24	EPA 6020B	
Magnesium	19.2	0.0500	"	"	"	"	"	"	
Sodium	86.4	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **08/28/24 15:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	2.37	0.00100	units	1	BHI0162	09/06/24	09/06/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/28/24 15:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	88.5		%	1	BHH0928	08/29/24	08/29/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/28/24 15:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Specific Conductance (EC)	0.942	0.0100	mmhos/cm	1	BHH0990	08/31/24	09/03/24	EPA 120.1	

Summit Scientific

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ERM
555 17th St
Denver CO, 80202

Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

24380-FL-02-S-5-20240828
2408356-27 (Soil)

Summit Scientific

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

Date Sampled: **08/28/24 15:10**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	268	0.0500	mg/L dry	1	BHH0988	08/31/24	09/05/24	EPA 6020B	
Magnesium	50.2	0.0500	"	"	"	"	"	"	
Sodium	348	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **08/28/24 15:10**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	5.12	0.00100	units	1	BHI0162	09/06/24	09/06/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/28/24 15:10**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	80.1		%	1	BHH0928	08/29/24	08/29/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/28/24 15:10**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Specific Conductance (EC)	2.36	0.0100	mmhos/cm	1	BHH0990	08/31/24	09/03/24	EPA 120.1	

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ERM
555 17th St
Denver CO, 80202

Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

24380-FL-1-N-1-20240828
2408356-28 (Soil)

Summit Scientific

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

Date Sampled: **08/28/24 13:08**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	503	0.0500	mg/L dry	1	BHH0988	08/31/24	09/05/24	EPA 6020B	
Magnesium	288	0.0500	"	"	"	"	"	"	
Sodium	2060	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **08/28/24 13:08**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	18.1	0.00100	units	1	BHI0162	09/06/24	09/06/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/28/24 13:08**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	86.0		%	1	BHH0928	08/29/24	08/29/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/28/24 13:08**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Specific Conductance (EC)	8.30	0.0100	mmhos/cm	1	BHH0990	08/31/24	09/03/24	EPA 120.1	

Summit Scientific

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ERM
555 17th St
Denver CO, 80202

Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

24380-FL-1-N-3-20240828
2408356-29 (Soil)

Summit Scientific

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

Date Sampled: **08/28/24 13:18**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	452	0.0500	mg/L dry	1	BHH0988	08/31/24	09/05/24	EPA 6020B	
Magnesium	151	0.0500	"	"	"	"	"	"	
Sodium	1400	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **08/28/24 13:18**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	14.6	0.00100	units	1	BHI0162	09/06/24	09/06/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/28/24 13:18**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	78.3		%	1	BHH0928	08/29/24	08/29/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/28/24 13:18**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Specific Conductance (EC)	6.64	0.0100	mmhos/cm	1	BHH0990	08/31/24	09/03/24	EPA 120.1	

Summit Scientific

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ERM
555 17th St
Denver CO, 80202

Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

24380-FL-1-N-5-20240828
2408356-30 (Soil)

Summit Scientific

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

Date Sampled: **08/28/24 13:27**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	209	0.0500	mg/L dry	1	BHH0988	08/31/24	09/05/24	EPA 6020B	
Magnesium	167	0.0500	"	"	"	"	"	"	
Sodium	1750	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **08/28/24 13:27**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	21.9	0.00100	units	1	BHI0162	09/06/24	09/06/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/28/24 13:27**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	80.8		%	1	BHH0928	08/29/24	08/29/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/28/24 13:27**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Specific Conductance (EC)	7.54	0.0100	mmhos/cm	1	BHH0990	08/31/24	09/03/24	EPA 120.1	

Summit Scientific

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ERM
555 17th St
Denver CO, 80202

Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

24380-FL-1-E-1-20240828
2408356-31 (Soil)

Summit Scientific

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

Date Sampled: **08/28/24 13:40**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	315	0.0500	mg/L dry	1	BHH0988	08/31/24	09/05/24	EPA 6020B	
Magnesium	71.7	0.0500	"	"	"	"	"	"	
Sodium	491	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **08/28/24 13:40**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	6.50	0.00100	units	1	BHI0162	09/06/24	09/06/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/28/24 13:40**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	81.2		%	1	BHH0928	08/29/24	08/29/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/28/24 13:40**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Specific Conductance (EC)	3.15	0.0100	mmhos/cm	1	BHH0990	08/31/24	09/03/24	EPA 120.1	

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ERM
555 17th St
Denver CO, 80202

Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

24380-FL-1-E-3-20240828
2408356-32 (Soil)

Summit Scientific

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

Date Sampled: **08/28/24 13:55**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	279	0.0500	mg/L dry	1	BHH0988	08/31/24	09/05/24	EPA 6020B	
Magnesium	103	0.0500	"	"	"	"	"	"	
Sodium	1140	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **08/28/24 13:55**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	14.8	0.00100	units	1	BHI0162	09/06/24	09/06/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/28/24 13:55**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	71.1		%	1	BHH0928	08/29/24	08/29/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/28/24 13:55**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Specific Conductance (EC)	4.79	0.0100	mmhos/cm	1	BHH0990	08/31/24	09/03/24	EPA 120.1	

Summit Scientific

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ERM
555 17th St
Denver CO, 80202

Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

24380-FL-1-E-5-20240828
2408356-33 (Soil)

Summit Scientific

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

Date Sampled: **08/28/24 14:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	130	0.0500	mg/L dry	1	BHH0988	08/31/24	09/05/24	EPA 6020B	
Magnesium	47.0	0.0500	"	"	"	"	"	"	
Sodium	558	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **08/28/24 14:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	10.7	0.00100	units	1	BHI0162	09/06/24	09/06/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/28/24 14:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	78.5		%	1	BHH0928	08/29/24	08/29/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/28/24 14:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Specific Conductance (EC)	2.62	0.0100	mmhos/cm	1	BHH0990	08/31/24	09/03/24	EPA 120.1	

Summit Scientific

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ERM
555 17th St
Denver CO, 80202

Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

24380-FL-1-S-1-20240828
2408356-34 (Soil)

Summit Scientific

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

Date Sampled: **08/28/24 14:12**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	534	0.0500	mg/L dry	1	BHH0988	08/31/24	09/05/24	EPA 6020B	
Magnesium	222	0.0500	"	"	"	"	"	"	
Sodium	1280	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **08/28/24 14:12**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	11.7	0.00100	units	1	BHI0162	09/06/24	09/06/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/28/24 14:12**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	83.9		%	1	BHH0928	08/29/24	08/29/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/28/24 14:12**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Specific Conductance (EC)	6.93	0.0100	mmhos/cm	1	BHH0990	08/31/24	09/03/24	EPA 120.1	

Summit Scientific

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ERM
555 17th St
Denver CO, 80202

Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

24380-FL-1-S-3-20240828
2408356-35 (Soil)

Summit Scientific

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

Date Sampled: **08/28/24 14:22**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	379	0.0500	mg/L dry	1	BHH0988	08/31/24	09/05/24	EPA 6020B	
Magnesium	177	0.0500	"	"	"	"	"	"	
Sodium	1170	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **08/28/24 14:22**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	12.4	0.00100	units	1	BHI0162	09/06/24	09/06/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/28/24 14:22**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	69.7		%	1	BHH0928	08/29/24	08/29/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/28/24 14:22**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Specific Conductance (EC)	5.34	0.0100	mmhos/cm	1	BHH0990	08/31/24	09/03/24	EPA 120.1	

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ERM
555 17th St
Denver CO, 80202

Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

24380-FL-1-S-5-20240828
2408356-36 (Soil)

Summit Scientific

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

Date Sampled: **08/28/24 14:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	44.7	0.0500	mg/L dry	1	BHH0988	08/31/24	09/05/24	EPA 6020B	
Magnesium	19.7	0.0500	"	"	"	"	"	"	
Sodium	222	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **08/28/24 14:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	6.96	0.00100	units	1	BHI0162	09/06/24	09/06/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/28/24 14:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	80.4		%	1	BHH0928	08/29/24	08/29/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/28/24 14:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Specific Conductance (EC)	1.08	0.0100	mmhos/cm	1	BHH0990	08/31/24	09/03/24	EPA 120.1	

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ERM
555 17th St
Denver CO, 80202

Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

24380-FL-1-W-1-20240828
2408356-37 (Soil)

Summit Scientific

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

Date Sampled: **08/28/24 14:47**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	561	0.0500	mg/L dry	1	BHH0988	08/31/24	09/05/24	EPA 6020B	
Magnesium	146	0.0500	"	"	"	"	"	"	
Sodium	689	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **08/28/24 14:47**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	6.70	0.00100	units	1	BHI0162	09/06/24	09/06/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/28/24 14:47**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	83.2		%	1	BHH0928	08/29/24	08/29/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/28/24 14:47**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Specific Conductance (EC)	4.60	0.0100	mmhos/cm	1	BHH0990	08/31/24	09/03/24	EPA 120.1	

Summit Scientific

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ERM
555 17th St
Denver CO, 80202

Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

24380-FL-1-W-3-20240828
2408356-38 (Soil)

Summit Scientific

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

Date Sampled: **08/28/24 15:02**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Calcium	295	0.0500	mg/L dry	1	BHH0988	08/31/24	09/05/24	EPA 6020B	
Magnesium	70.6	0.0500	"	"	"	"	"	"	
Sodium	374	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **08/28/24 15:02**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Sodium Adsorption Ratio	5.08	0.00100	units	1	BHI0162	09/06/24	09/06/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/28/24 15:02**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
% Solids	71.9		%	1	BHH0928	08/29/24	08/29/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/28/24 15:02**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Specific Conductance (EC)	2.30	0.0100	mmhos/cm	1	BHH0990	08/31/24	09/03/24	EPA 120.1	

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ERM
555 17th St
Denver CO, 80202

Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

24380-FL-1-W-5-20240828
2408356-39 (Soil)

Summit Scientific

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

Date Sampled: **08/28/24 15:08**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Calcium	86.3	0.0500	mg/L dry	1	BHH0988	08/31/24	09/05/24	EPA 6020B	
Magnesium	23.8	0.0500	"	"	"	"	"	"	
Sodium	154	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **08/28/24 15:08**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Sodium Adsorption Ratio	3.78	0.00100	units	1	BHI0162	09/06/24	09/06/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/28/24 15:08**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
% Solids	73.1		%	1	BHH0928	08/29/24	08/29/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/28/24 15:08**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Specific Conductance (EC)	0.903	0.0100	mmhos/cm	1	BHH0990	08/31/24	09/03/24	EPA 120.1	

Summit Scientific

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ERM
555 17th St
Denver CO, 80202

Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

Total Metals by EPA 6020B - Quality Control

Summit Scientific

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

Batch BHH0921 - EPA 3050B

Blank (BHH0921-BLK1)

Prepared: 08/29/24 Analyzed: 09/03/24

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 (BHH0921-BS1)

Prepared: 08/29/24 Analyzed: 09/03/24

Arsenic	39.9	0.200	mg/kg wet	40.0	99.8	80-120
Barium	37.1	0.400	"	40.0	92.8	80-120
Cadmium	1.92	0.200	"	2.00	96.1	80-120
Copper	41.1	0.400	"	40.0	103	80-120
Lead	18.6	0.200	"	20.0	93.2	80-120
Nickel	38.7	0.400	"	40.0	96.7	80-120
Silver	1.93	0.0200	"	2.00	96.4	80-120
Zinc	40.5	0.400	"	40.0	101	80-120
Selenium	3.65	0.260	"	4.00	91.2	80-120

Duplicate (BHH0921-DUP1)

Source: 2408356-01

Prepared: 08/29/24 Analyzed: 09/03/24

Arsenic	3.02	0.200	mg/kg dry	2.92	3.36	20	
Barium	57.6	0.400	"	50.0	14.1	20	
Cadmium	0.146	0.200	"	0.103	34.1	20	QR-01
Copper	3.92	0.400	"	3.44	12.9	20	
Lead	6.21	0.200	"	4.89	23.8	20	QR-02
Nickel	4.33	0.400	"	3.87	11.2	20	
Silver	0.0134	0.0200	"	0.0150	11.5	20	
Zinc	16.9	0.400	"	15.5	8.94	20	
Selenium	ND	0.260	"	ND		20	

Summit Scientific

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ERM
555 17th St
Denver CO, 80202

Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BHH0921 - EPA 3050B

Matrix Spike (BHH0921-MS1)		Source: 2408356-01			Prepared: 08/29/24 Analyzed: 09/03/24					
Arsenic	38.5	0.200	mg/kg dry	38.7	2.92	91.8	75-125			
Barium	105	0.400	"	38.7	50.0	143	75-125			QM-05
Cadmium	1.84	0.200	"	1.94	0.103	89.9	75-125			
Copper	40.2	0.400	"	38.7	3.44	94.8	75-125			
Lead	25.9	0.200	"	19.4	4.89	109	75-125			
Nickel	41.5	0.400	"	38.7	3.87	97.2	75-125			
Silver	1.72	0.0200	"	1.94	0.0150	87.9	75-125			
Zinc	52.9	0.400	"	38.7	15.5	96.8	75-125			
Selenium	3.07	0.260	"	3.87	ND	79.4	75-125			

Matrix Spike Dup (BHH0921-MSD1)		Source: 2408356-01			Prepared: 08/29/24 Analyzed: 09/03/24					
Arsenic	36.9	0.200	mg/kg dry	37.9	2.92	89.7	75-125	4.21	25	
Barium	86.6	0.400	"	37.9	50.0	96.6	75-125	19.4	25	
Cadmium	1.77	0.200	"	1.89	0.103	87.9	75-125	4.29	25	
Copper	38.4	0.400	"	37.9	3.44	92.4	75-125	4.43	25	
Lead	22.7	0.200	"	18.9	4.89	94.2	75-125	13.2	25	
Nickel	40.1	0.400	"	37.9	3.87	95.7	75-125	3.37	25	
Silver	1.65	0.0200	"	1.89	0.0150	86.3	75-125	4.07	25	
Zinc	51.5	0.400	"	37.9	15.5	95.2	75-125	2.71	25	
Selenium	3.05	0.260	"	3.79	ND	80.6	75-125	0.681	25	

Summit Scientific

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ERM
555 17th St
Denver CO, 80202

Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

Hexavalent Chromium by EPA Method 7196 - Quality Control
Summit Scientific

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

Batch BHH0910 - 3060A Mod

Blank (BHH0910-BLK1)

Prepared & Analyzed: 08/29/24

Chromium, Hexavalent ND 0.30 mg/kg wet

LCS (BHH0910-BS1)

Prepared & Analyzed: 08/29/24

Chromium, Hexavalent 23.8 0.30 mg/kg wet 25.0 95.2 80-120

Duplicate (BHH0910-DUP1)

Source: 2408356-01

Prepared & Analyzed: 08/29/24

Chromium, Hexavalent ND 0.30 mg/kg dry ND 20

Matrix Spike (BHH0910-MS1)

Source: 2408356-01

Prepared & Analyzed: 08/29/24

Chromium, Hexavalent 25.5 0.30 mg/kg dry 25.8 ND 99.0 75-125

Matrix Spike Dup (BHH0910-MSD1)

Source: 2408356-01

Prepared & Analyzed: 08/29/24

Chromium, Hexavalent 25.1 0.30 mg/kg dry 25.8 ND 97.4 75-125 1.63 20

Summit Scientific

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ERM
555 17th St
Denver CO, 80202

Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

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

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

Batch BHH0988 - General Preparation

Blank (BHH0988-BLK1)

Prepared: 08/31/24 Analyzed: 09/05/24

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

LCS (BHH0988-BS1)

Prepared: 08/31/24 Analyzed: 09/05/24

Calcium	5.25	0.0500	mg/L wet	5.00	105	70-130
Magnesium	4.91	0.0500	"	5.00	98.2	70-130
Sodium	5.02	0.0500	"	5.00	100	70-130

Summit Scientific

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Denver CO, 80202

Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

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

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

Batch BHH0927 - General Preparation

Duplicate (BHH0927-DUP1)		Source: 2408356-01			Prepared & Analyzed: 08/29/24					
% Solids	96.9		%		97.1			0.127	20	

Batch BHH0928 - General Preparation

Duplicate (BHH0928-DUP1)		Source: 2408356-21			Prepared & Analyzed: 08/29/24					
% Solids	78.7		%		78.8			0.0996	20	

Summit Scientific

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ERM
555 17th St
Denver CO, 80202

Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

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

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

Batch BHH0990 - General Preparation

Blank (BHH0990-BLK1)

Prepared: 08/31/24 Analyzed: 09/03/24

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BHH0990-BS1)

Prepared: 08/31/24 Analyzed: 09/03/24

Specific Conductance (EC) 0.154 0.0100 mmhos/cm 0.150 103 95-105

Duplicate (BHH0990-DUP1)

Source: 2408356-16

Prepared: 08/31/24 Analyzed: 09/03/24

Specific Conductance (EC) 0.821 0.0100 mmhos/cm 0.827 0.777 20

Summit Scientific

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ERM
555 17th St
Denver CO, 80202

Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

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

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

Batch BHH0893 - General Preparation

LCS (BHH0893-BS1)

Prepared: 08/29/24 Analyzed: 09/03/24

pH	9.23	pH Units	9.18	101	95-105
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Duplicate (BHH0893-DUP1)

Source: 2408356-01

Prepared: 08/29/24 Analyzed: 09/03/24

pH	8.69	pH Units	8.70	0.115	20
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Summit Scientific

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ERM
555 17th St
Denver CO, 80202

Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

Saturation Paste by the Western Region Soil, Plant and Water Reference Methods 2013 - Quality Control
Summit Scientific

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

Batch BHH0894 - General Preparation

Blank (BHH0894-BLK1)

Prepared: 08/29/24 Analyzed: 09/03/24

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BHH0894-BS1)

Prepared: 08/29/24 Analyzed: 09/03/24

Specific Conductance (EC) 0.157 0.0100 mmhos/cm 0.150 104 95-105

Duplicate (BHH0894-DUP1)

Source: 2408356-01

Prepared: 08/29/24 Analyzed: 09/03/24

Specific Conductance (EC) 0.378 0.0100 mmhos/cm 0.381 0.869 20

Summit Scientific

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ERM
555 17th St
Denver CO, 80202

Project: Chevron Sampling
Project Number: 0736294
Project Manager: Justin Onwiler

Reported:
09/06/24 10:58

Notes and Definitions

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. QC batch accepted based on LCS and/or LCSD QC results.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The associated LCS and/or LCSD were within acceptance limits, therefore the data are considered valid.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference