

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

September 05, 2024

Justin Onwiler

ERM

555 17th St

Denver, CO 80202

RE: Chevron Sampling

Work Order #2408377

Enclosed are the results of analyses for samples received by Summit Scientific on 08/29/24 16:07. 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:
09/05/24 12:24

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
24380-BG-01-5-20240829	2408377-01	Soil	08/29/24 08:50	08/29/24 16:07
24380-BG-02-5-20240829	2408377-02	Soil	08/29/24 09:10	08/29/24 16:07
24380-BG-03-5-20240829	2408377-03	Soil	08/29/24 09:30	08/29/24 16:07
24380-BG-04-5-20240829	2408377-04	Soil	08/29/24 09:55	08/29/24 16:07
24380-BG-05-5-20240829	2408377-05	Soil	08/29/24 10:48	08/29/24 16:07
24380-BG-06-5-20240829	2408377-06	Soil	08/29/24 10:35	08/29/24 16:07
24380-BG-07-5-20240829	2408377-07	Soil	08/29/24 10:20	08/29/24 16:07
24380-WH-01-E-4-20240829	2408377-08	Soil	08/29/24 00:00	08/29/24 16:07
24380-WH-01-E-6-20240829	2408377-09	Soil	08/29/24 00:00	08/29/24 16:07
24380-WH-01-E-8-20240829	2408377-10	Soil	08/29/24 00:00	08/29/24 16:07
24380-WH-01-N-4-20240829	2408377-11	Soil	08/29/24 00:00	08/29/24 16:07
24380-WH-01-N-6-20240829	2408377-12	Soil	08/29/24 00:00	08/29/24 16:07
24380-WH-01-N-8-20240829	2408377-13	Soil	08/29/24 00:00	08/29/24 16:07
24380-WH-01-S-4-20240829	2408377-14	Soil	08/29/24 00:00	08/29/24 16:07
24380-WH-01-S-6-20240829	2408377-15	Soil	08/29/24 00:00	08/29/24 16:07
24380-WH-01-S-8-20240829	2408377-16	Soil	08/29/24 00:00	08/29/24 16:07
24380-WH-01-W-4-20240829	2408377-17	Soil	08/29/24 00:00	08/29/24 16:07
24380-WH-01-W-6-20240829	2408377-18	Soil	08/29/24 00:00	08/29/24 16:07
24380-WH-01-W-8-20240829	2408377-19	Soil	08/29/24 00:00	08/29/24 16:07

Summit Scientific

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

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

Lab ID	Page 1 of 2
2408377.1	

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: 303-741-5650		Project Name: Chevron Sampling		AFE#:	
Sampler Name: Andrew Minahan & Cody Kaniss		Project Number: 6736294		PO/Billing Codes:	
				Contact:	

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix				Analysis Requested				Special Instructions
					HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other	PH 9045D	SAR 20B	EC EPA method 120.1		
1	24380-BG-01-5-20240829	8/29/24	08:50	1			X			X			/	/	/		
2	24380-BG-02-5-20240829	8/29/24	09:10	1			X			X			/	/	/		
3	24380-BG-03-5-20240829	8/29/24	09:30	1			X			X			/	/	/		
4	24380-BG-04-5-20240829	8/29/24	09:55	1			X			X			/	/	/		
5	24380-BG-04-5-20240829	8/29/24	09:55	1			X			X			/	/	/		(CR)
6	24380-BG-05-5-20240829	8/29/24	10:48	1			X			X			/	/	/		
7	24380-BG-06-5-20240829	8/29/24	10:35	1			X			X			/	/	/		
8	24380-BG-07-5-20240829	8/29/24	10:20	1			X			X			/	/	/		
9	24380-WH-01-E-4-20240829	8/29/24		1			X			X			/				
10	24380-WH-01-E-6-20240829	8/29/24		1			X			X			/				
11	24380-WH-01-E-8-20240829	8/29/24		1			X			X			/				
12	24380-WH-01-N-4-20240829	8/29/24		1			X			X			/				
13	24380-WH-01-N-6-20240829	8/29/24		1			X			X			/				
14	24380-WH-01-N-8-20240829	8/29/24		1			X			X			/				
15	24380-WH-01-S-4-20240829	8/29/24		1			X			X			/				

Relinquished by: NATHAN CHAMPEN	Date/Time: 8/29/24 16:00	Received by: [Signature]	Date/Time: 8/29/24 16:07	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	X Field Turb.	
Temperature Upon Receipt: 38	Corrected Temperature	IR gun #: 2	HNO3 lot #:			

SUMMIT SCIENTIFIC

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

Lab ID	Page 2 of 2
2408377.2	

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									
1	24380-WH-01-S-6-20240829	8/29/24		1			X			X			PH 9.545								
2	24380-WH-01-S-8-20240829	8/29/24		1			X			X											
3	24380-WH-01-W-4-20240829	8/29/24		1			X			X											
4	24380-WH-01-W-6-20240829	8/29/24		1			X			X											
5	24380-WH-01-W-8-20240829	8/29/24		1			X			X											
6																					
7																					
8																					
9																					
10																					
11																					
12																					
13																					
14																					
15																					

Relinquished by:	Date/Time:	Received by:	Date/Time:	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:	Corrected Temperature	IR gun #:	HNO3 lot #:			

S₂

2/2

S2 Work Order# 2408377


Sample Receipt Checklist

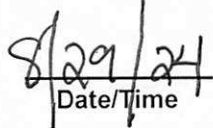
Client: ERM Client Project ID: Chertron SamplingShipped Via: H.D./P.U./FedEx/UPS/USPS/Other ☐ ☐ ☐ ☐ ☐ Airbill #: _____Matrix (Check all that apply) Air ☐ Soil/Solid ☒ Water ☐ Other ☐Temp (°C) 3.0Thermometer # 2

	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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	missing some sample times
Is the COC properly relinquished by the client w/ date and time recorded? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC? ⁽¹⁾	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	some time stamps did not match
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:
09/05/24 12:24

24380-BG-01-5-20240829
2408377-01 (Soil)

Summit Scientific

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

Date Sampled: **08/29/24 08:50**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	27.3	0.0500	mg/L dry	1	BHI0022	09/03/24	09/05/24	EPA 6020B	
Magnesium	19.0	0.0500	"	"	"	"	"	"	
Sodium	310	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **08/29/24 08:50**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	11.1	0.00100	units	1	BHI0120	09/05/24	09/05/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/29/24 08:50**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	75.7		%	1	BHH0970	08/30/24	08/30/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/29/24 08:50**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Specific Conductance (EC)	1.36	0.0100	mmhos/cm	1	BHI0031	09/03/24	09/04/24	EPA 120.1	

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

Date Sampled: **08/29/24 08:50**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	8.32		pH Units	1	BHI0030	09/03/24	09/04/24	EPA 9045D	

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ERM
555 17th St
Denver CO, 80202

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

Reported:
09/05/24 12:24

24380-BG-02-5-20240829
2408377-02 (Soil)

Summit Scientific

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

Date Sampled: **08/29/24 09:10**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	19.4	0.0500	mg/L dry	1	BHI0022	09/03/24	09/05/24	EPA 6020B	
Magnesium	8.51	0.0500	"	"	"	"	"	"	
Sodium	127	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **08/29/24 09:10**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	6.05	0.00100	units	1	BHI0120	09/05/24	09/05/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/29/24 09:10**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	83.4		%	1	BHH0970	08/30/24	08/30/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/29/24 09:10**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Specific Conductance (EC)	0.680	0.0100	mmhos/cm	1	BHI0031	09/03/24	09/04/24	EPA 120.1	

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

Date Sampled: **08/29/24 09:10**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	8.51		pH Units	1	BHI0030	09/03/24	09/04/24	EPA 9045D	

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ERM
555 17th St
Denver CO, 80202

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

Reported:
09/05/24 12:24

24380-BG-03-5-20240829
2408377-03 (Soil)

Summit Scientific

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

Date Sampled: **08/29/24 09:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	11.5	0.0500	mg/L dry	1	BHI0022	09/03/24	09/05/24	EPA 6020B	
Magnesium	12.4	0.0500	"	"	"	"	"	"	
Sodium	134	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **08/29/24 09:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	6.53	0.00100	units	1	BHI0120	09/05/24	09/05/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/29/24 09:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	80.3		%	1	BHH0970	08/30/24	08/30/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/29/24 09:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Specific Conductance (EC)	0.661	0.0100	mmhos/cm	1	BHI0031	09/03/24	09/04/24	EPA 120.1	

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

Date Sampled: **08/29/24 09:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	8.80		pH Units	1	BHI0030	09/03/24	09/04/24	EPA 9045D	

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ERM
555 17th St
Denver CO, 80202

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

Reported:
09/05/24 12:24

24380-BG-04-5-20240829
2408377-04 (Soil)

Summit Scientific

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

Date Sampled: **08/29/24 09:55**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	16.5	0.0500	mg/L dry	1	BHI0022	09/03/24	09/05/24	EPA 6020B	
Magnesium	20.6	0.0500	"	"	"	"	"	"	
Sodium	148	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **08/29/24 09:55**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	5.74	0.00100	units	1	BHI0120	09/05/24	09/05/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/29/24 09:55**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	82.9		%	1	BHH0970	08/30/24	08/30/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/29/24 09:55**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Specific Conductance (EC)	0.808	0.0100	mmhos/cm	1	BHI0031	09/03/24	09/04/24	EPA 120.1	

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

Date Sampled: **08/29/24 09:55**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	8.35		pH Units	1	BHI0030	09/03/24	09/04/24	EPA 9045D	

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ERM
555 17th St
Denver CO, 80202

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

Reported:
09/05/24 12:24

24380-BG-05-5-20240829
2408377-05 (Soil)

Summit Scientific

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

Date Sampled: **08/29/24 10:48**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	54.1	0.0500	mg/L dry	1	BHI0022	09/03/24	09/05/24	EPA 6020B	
Magnesium	38.2	0.0500	"	"	"	"	"	"	
Sodium	427	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **08/29/24 10:48**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	10.9	0.00100	units	1	BHI0120	09/05/24	09/05/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/29/24 10:48**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	69.0		%	1	BHH0970	08/30/24	08/30/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/29/24 10:48**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Specific Conductance (EC)	1.83	0.0100	mmhos/cm	1	BHI0031	09/03/24	09/04/24	EPA 120.1	

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

Date Sampled: **08/29/24 10:48**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	8.39		pH Units	1	BHI0030	09/03/24	09/04/24	EPA 9045D	

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ERM
555 17th St
Denver CO, 80202

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

Reported:
09/05/24 12:24

24380-BG-06-5-20240829
2408377-06 (Soil)

Summit Scientific

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

Date Sampled: **08/29/24 10:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	143	0.0500	mg/L dry	1	BHI0022	09/03/24	09/05/24	EPA 6020B	
Magnesium	91.3	0.0500	"	"	"	"	"	"	
Sodium	802	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **08/29/24 10:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	12.9	0.00100	units	1	BHI0120	09/05/24	09/05/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/29/24 10:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	67.2		%	1	BHH0970	08/30/24	08/30/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/29/24 10:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	3.36	0.0100	mmhos/cm	1	BHI0031	09/03/24	09/04/24	EPA 120.1	

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

Date Sampled: **08/29/24 10:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.19		pH Units	1	BHI0030	09/03/24	09/04/24	EPA 9045D	

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ERM
555 17th St
Denver CO, 80202

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

Reported:
09/05/24 12:24

24380-BG-07-5-20240829
2408377-07 (Soil)

Summit Scientific

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

Date Sampled: **08/29/24 10:20**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	53.8	0.0500	mg/L dry	1	BHI0022	09/03/24	09/05/24	EPA 6020B	
Magnesium	41.0	0.0500	"	"	"	"	"	"	
Sodium	264	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **08/29/24 10:20**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	6.60	0.00100	units	1	BHI0120	09/05/24	09/05/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/29/24 10:20**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	76.9		%	1	BHH0970	08/30/24	08/30/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/29/24 10:20**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Specific Conductance (EC)	1.41	0.0100	mmhos/cm	1	BHI0031	09/03/24	09/04/24	EPA 120.1	

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

Date Sampled: **08/29/24 10:20**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	8.37		pH Units	1	BHI0030	09/03/24	09/04/24	EPA 9045D	

Summit Scientific

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ERM
555 17th St
Denver CO, 80202

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

Reported:
09/05/24 12:24

24380-WH-01-E-4-20240829
2408377-08 (Soil)

Summit Scientific

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

Date Sampled: **08/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	8.47			pH Units	1	BHI0047	09/04/24	09/04/24	EPA 9045D	

Summit Scientific

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ERM
555 17th St
Denver CO, 80202

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

Reported:
09/05/24 12:24

24380-WH-01-E-6-20240829
2408377-09 (Soil)

Summit Scientific

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

Date Sampled: **08/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	8.66			pH Units	1	BHI0047	09/04/24	09/04/24	EPA 9045D	

Summit Scientific

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ERM
555 17th St
Denver CO, 80202

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

Reported:
09/05/24 12:24

24380-WH-01-E-8-20240829
2408377-10 (Soil)

Summit Scientific

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

Date Sampled: **08/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	8.30			pH Units	1	BHI0047	09/04/24	09/04/24	EPA 9045D	

Summit Scientific

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ERM
555 17th St
Denver CO, 80202

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

Reported:
09/05/24 12:24

24380-WH-01-N-4-20240829
2408377-11 (Soil)

Summit Scientific

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

Date Sampled: **08/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	8.92			pH Units	1	BHI0047	09/04/24	09/04/24	EPA 9045D	

Summit Scientific

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ERM
555 17th St
Denver CO, 80202

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

Reported:
09/05/24 12:24

24380-WH-01-N-6-20240829
2408377-12 (Soil)

Summit Scientific

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

Date Sampled: **08/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	8.80			pH Units	1	BHI0047	09/04/24	09/04/24	EPA 9045D	

Summit Scientific

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ERM
555 17th St
Denver CO, 80202

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

Reported:
09/05/24 12:24

24380-WH-01-N-8-20240829
2408377-13 (Soil)

Summit Scientific

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

Date Sampled: **08/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	8.96			pH Units	1	BHI0047	09/04/24	09/04/24	EPA 9045D	

Summit Scientific

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ERM
555 17th St
Denver CO, 80202

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

Reported:
09/05/24 12:24

24380-WH-01-S-4-20240829
2408377-14 (Soil)

Summit Scientific

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

Date Sampled: **08/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	8.39			pH Units	1	BHI0047	09/04/24	09/04/24	EPA 9045D	

Summit Scientific

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ERM
555 17th St
Denver CO, 80202

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

Reported:
09/05/24 12:24

24380-WH-01-S-6-20240829
2408377-15 (Soil)

Summit Scientific

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

Date Sampled: **08/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	8.48			pH Units	1	BHI0047	09/04/24	09/04/24	EPA 9045D	

Summit Scientific

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ERM
555 17th St
Denver CO, 80202

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

Reported:
09/05/24 12:24

24380-WH-01-S-8-20240829
2408377-16 (Soil)

Summit Scientific

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

Date Sampled: **08/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	9.02			pH Units	1	BHI0047	09/04/24	09/04/24	EPA 9045D	

Summit Scientific

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ERM
555 17th St
Denver CO, 80202

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

Reported:
09/05/24 12:24

24380-WH-01-W-4-20240829
2408377-17 (Soil)

Summit Scientific

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

Date Sampled: **08/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	8.19			pH Units	1	BHI0047	09/04/24	09/04/24	EPA 9045D	

Summit Scientific

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ERM
555 17th St
Denver CO, 80202

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

Reported:
09/05/24 12:24

24380-WH-01-W-6-20240829
2408377-18 (Soil)

Summit Scientific

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

Date Sampled: **08/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	8.77			pH Units	1	BHI0047	09/04/24	09/04/24	EPA 9045D	

Summit Scientific

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ERM
555 17th St
Denver CO, 80202

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

Reported:
09/05/24 12:24

24380-WH-01-W-8-20240829
2408377-19 (Soil)

Summit Scientific

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

Date Sampled: **08/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	8.73			pH Units	1	BHI0047	09/04/24	09/04/24	EPA 9045D	

Summit Scientific

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ERM
555 17th St
Denver CO, 80202

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

Reported:
09/05/24 12:24

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

Summit Scientific

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

Batch BHI0022 - General Preparation

Blank (BHI0022-BLK1)

Prepared: 09/03/24 Analyzed: 09/05/24

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

LCS (BHI0022-BS1)

Prepared: 09/03/24 Analyzed: 09/05/24

Calcium	5.66	0.0500	mg/L wet	5.00	113	70-130
Magnesium	4.86	0.0500	"	5.00	97.2	70-130
Sodium	5.09	0.0500	"	5.00	102	70-130

Summit Scientific

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ERM
555 17th St
Denver CO, 80202

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

Reported:
09/05/24 12:24

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 BHH0970 - General Preparation

Duplicate (BHH0970-DUP1)		Source: 2408375-01		Prepared & Analyzed: 08/30/24						
% Solids	95.9		%		95.9			0.0164	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:
09/05/24 12:24

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

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

Batch BHI0031 - General Preparation

Blank (BHI0031-BLK1)

Prepared: 09/03/24 Analyzed: 09/04/24

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BHI0031-BS1)

Prepared: 09/03/24 Analyzed: 09/04/24

Specific Conductance (EC) 0.153 0.0100 mmhos/cm 0.150 102 95-105

Duplicate (BHI0031-DUP1)

Source: 2408377-01

Prepared: 09/03/24 Analyzed: 09/04/24

Specific Conductance (EC) 1.36 0.0100 mmhos/cm 1.36 0.147 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:
09/05/24 12:24

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

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

Batch BHI0030 - General Preparation

LCS (BHI0030-BS1)

Prepared: 09/03/24 Analyzed: 09/04/24

pH	9.24		pH Units	9.18	101	95-105
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Duplicate (BHI0030-DUP1)

Source: 2408377-01

Prepared: 09/03/24 Analyzed: 09/04/24

pH	8.30		pH Units	8.32		0.241	20
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Batch BHI0047 - General Preparation

LCS (BHI0047-BS1)

Prepared & Analyzed: 09/04/24

pH	9.24		pH Units	9.18	101	95-105
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Duplicate (BHI0047-DUP1)

Source: 2408377-08

Prepared & Analyzed: 09/04/24

pH	8.44		pH Units	8.47		0.355	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:
09/05/24 12:24

Notes and Definitions

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