

# Summit Scientific

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4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

November 15, 2024

AJ Engelhardt

Tasman Geosciences

6855 W. 119th Ave.

Broomfield, CO 80020

RE: Chevron - UPRC 35-06F

Work Order #2410595

Enclosed are the results of analyses for samples received by Summit Scientific on 10/30/24 18:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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

Natalie Tessier For Paul Shrewsbury  
President



Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Chevron - UPRC 35-06F

Project Number: UWRWE-A4169-ABN  
Project Manager: AJ Engelhardt

**Reported:**  
11/15/24 10:31

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FL01-03@3'	2410595-01	Soil	10/30/24 10:20	10/30/24 18:00
FL01-04@3'	2410595-02	Soil	10/30/24 10:23	10/30/24 18:00

Summit Scientific

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

Lab ID	Page 1 of 1
2110595	

Send Data To:		Send Invoice To:	
Client: Chevron/Tasman	Project Manager: AJ Engelhardt	Company: Chevron	
Address: 6855 W. 119th Avenue	E-Mail: tas-chevron-3@tasman-geo.com	Project Name/Location: UPRC 35.06F	
City/State/Zip: Broomfield, CO 80020		AFE#: UWR WE-A4169-ABN	
Phone: 978-857-4408	Project Name: UPRC 35.06F	PO/Billing Codes:	
Sampler Name: Matthew Wentzel	Project Number:	Contact: Miguel Barron	

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix			Analysis Requested						Special Instructions		
					HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other	915-VOC	915-PAH	915-TPH	pH, EC, SAR	Boron		915-Metals	
1	FL01.03@3'	10.30.24	1020	2			X			X				X	X	X	X	X	X	
2	FL01.04@3'	10.30.24	1023	2			X			X				X	X	X	X	X	X	
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				

Relinquished by:	Date/Time: 10.30.24	Received by: Tasman Lockbox	Date/Time: 10.30.24	TAT Business Days	Field DO	Notes:
Relinquished by: Tasman Lockbox	Date/Time: 10.30.24	Received by:	Date/Time: 10.30.24	Same Day	Field EC	
Relinquished by:	Date/Time: 1800	Received by:	Date/Time: 1800	1 Day	Field ORP	
Relinquished by:	Date/Time:	Received by:	Date/Time:	2 Days	Field pH	
Relinquished by:	Date/Time:	Received by:	Date/Time:	3 Days	Field Temp.	
Temperature Upon Receipt: 0.9	Corrected Temperature: 8	IR gun #:	HNO3 lot #:	Standard	X Field Turb.	

S<sub>2</sub>

Sample Receipt Checklist

S2 Work Order# 2410595

Client: Charvont Casman Client Project ID: UPRC 35-06F

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

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

Temp (°C)  Thermometer #

	Yes	No	N/A	Comments (if any)
If samples require cooling, is the temperature < 6°C? <sup>(1)</sup> 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? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are samples due within 48 hours present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are water samples with short hold times present? Note the short hold analysis in the comments column - pH, Nitrate/Nitrite, Ferrous Iron (Fe <sup>2+</sup> ), Hexavalent Chromium (Cr <sup>6+</sup> , 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? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC? <sup>(1)</sup>	<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)? <sup>(1)</sup> Note the type of preservative in the comments column – HCl, H <sub>2</sub> SO <sub>4</sub> , NaOH, HNO <sub>3</sub> , etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2? <sup>(1)</sup> 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):

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

AS  
Custodian Printed Name

10/30/24  
Date/Time



Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Chevron - UPRC 35-06F  
Project Number: UWRWE-A4169-ABN  
Project Manager: AJ Engelhardt

**Reported:**  
11/15/24 10:31

**FL01-03@3'**  
**2410595-01 (Soil)**

**Summit Scientific**

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

Date Sampled: **10/30/24 10:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BHK0146	11/04/24	11/05/24	EPA 8260B	
Toluene	ND	0.0050		"	"	"	"	"	"	
Ethylbenzene	ND	0.0050		"	"	"	"	"	"	
Xylenes (total)	ND	0.010		"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
Naphthalene	ND	0.0038		"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50		"	"	"	"	"	"	

Date Sampled: **10/30/24 10:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0414	104 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0396	99.0 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0390	97.6 %		50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **10/30/24 10:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BHK0147	11/04/24	11/06/24	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **10/30/24 10:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	12.3	98.6 %		30-150		"	"	"	"	

**PAH by EPA Method 8270D SIM**

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**2410595-01 (Soil)**

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**PAH by EPA Method 8270D SIM**

Date Sampled: **10/30/24 10:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHK0108	11/05/24	11/05/24	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **10/30/24 10:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0153	45.8 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0153	45.8 %	40-150		"	"	"	"	

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

Date Sampled: **10/30/24 10:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHK0379	11/07/24	11/08/24	EPA 6020B	

**Total Metals by EPA 6020B**

Date Sampled: **10/30/24 10:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Project: Chevron - UPRC 35-06F  
Project Number: UWRWE-A4169-ABN  
Project Manager: AJ Engelhardt

**Reported:**  
11/15/24 10:31

**FL01-03@3'**  
**2410595-01 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Arsenic	1.52	0.200	mg/kg dry	1	BHK0578	11/12/24	11/13/24	EPA 6020B
Barium	48.5	0.400	"	"	"	"	"	"
Cadmium	ND	0.200	"	"	"	"	"	"
Copper	3.44	0.400	"	"	"	"	"	"
Lead	5.29	0.200	"	"	"	"	"	"
Nickel	3.12	0.400	"	"	"	"	"	"
Silver	0.0264	0.0200	"	"	"	"	"	"
Zinc	15.4	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **10/30/24 10:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHK0628	11/13/24	11/14/24	EPA 7196A	

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

Date Sampled: **10/30/24 10:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	105	0.0500	mg/L dry	1	BHK0444	11/08/24	11/12/24	EPA 6020B	
Magnesium	27.5	0.0500	"	"	"	"	"	"	
Sodium	27.5	0.0500	"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **10/30/24 10:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.618	0.00100	units	1	BHK0637	11/13/24	11/13/24	Calculation	

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

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11/15/24 10:31

**FL01-03@3'**  
**2410595-01 (Soil)**

**Summit Scientific**

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

Date Sampled: **10/30/24 10:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
% Solids	87.9			%	1	BHK0241	11/06/24	11/06/24	Calculation	

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

Date Sampled: **10/30/24 10:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Specific Conductance (EC)	0.346	0.0100		mmhos/cm	1	BHK0445	11/08/24	11/11/24	EPA 120.1	

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

Date Sampled: **10/30/24 10:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	7.08			pH Units	1	BHK0446	11/08/24	11/11/24	EPA 9045D	

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Project Manager: AJ Engelhardt

**Reported:**  
11/15/24 10:31

**FL01-04@3'**  
**2410595-02 (Soil)**

**Summit Scientific**

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

Date Sampled: **10/30/24 10:23**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BHK0146	11/04/24	11/05/24	EPA 8260B	
Toluene	ND	0.0050		"	"	"	"	"	"	
Ethylbenzene	ND	0.0050		"	"	"	"	"	"	
Xylenes (total)	ND	0.010		"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
Naphthalene	ND	0.0038		"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50		"	"	"	"	"	"	

Date Sampled: **10/30/24 10:23**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0408	102 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0405	101 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0389	97.4 %		50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **10/30/24 10:23**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BHK0147	11/04/24	11/06/24	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **10/30/24 10:23**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	8.14	65.1 %		30-150		"	"	"	"	

**PAH by EPA Method 8270D SIM**

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**Reported:**  
11/15/24 10:31

**FL01-04@3'**  
**2410595-02 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **10/30/24 10:23**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHK0108	11/05/24	11/05/24	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **10/30/24 10:23**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0139	41.6 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0144	43.1 %	40-150		"	"	"	"	

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

Date Sampled: **10/30/24 10:23**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHK0379	11/07/24	11/08/24	EPA 6020B	

**Total Metals by EPA 6020B**

Date Sampled: **10/30/24 10:23**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Project: Chevron - UPRC 35-06F  
Project Number: UWRWE-A4169-ABN  
Project Manager: AJ Engelhardt

**Reported:**  
11/15/24 10:31

**FL01-04@3'**  
**2410595-02 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	1.34	0.200	mg/kg dry	1	BHK0578	11/12/24	11/13/24	EPA 6020B	
Barium	47.4	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	3.32	0.400	"	"	"	"	"	"	
Lead	4.94	0.200	"	"	"	"	"	"	
Nickel	2.87	0.400	"	"	"	"	"	"	
Silver	0.0237	0.0200	"	"	"	"	"	"	
Zinc	14.8	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **10/30/24 10:23**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHK0628	11/13/24	11/14/24	EPA 7196A	

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

Date Sampled: **10/30/24 10:23**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	84.0	0.0500	mg/L dry	1	BHK0444	11/08/24	11/12/24	EPA 6020B	
Magnesium	26.1	0.0500	"	"	"	"	"	"	
Sodium	87.7	0.0500	"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **10/30/24 10:23**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	2.14	0.00100	units	1	BHK0637	11/13/24	11/13/24	Calculation	

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

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Project Manager: AJ Engelhardt

**Reported:**  
11/15/24 10:31

**FL01-04@3'**  
**2410595-02 (Soil)**

**Summit Scientific**

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

Date Sampled: **10/30/24 10:23**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
% Solids	85.0			%	1	BHK0241	11/06/24	11/06/24	Calculation	

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

Date Sampled: **10/30/24 10:23**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Specific Conductance (EC)	0.530	0.0100		mmhos/cm	1	BHK0445	11/08/24	11/11/24	EPA 120.1	

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

Date Sampled: **10/30/24 10:23**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	8.73			pH Units	1	BHK0446	11/08/24	11/11/24	EPA 9045D	

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Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Chevron - UPRC 35-06F  
Project Number: UWRWE-A4169-ABN  
Project Manager: AJ Engelhardt

**Reported:**  
11/15/24 10:31

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

#### Summit Scientific

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

#### Batch BHK0146 - EPA 5030 Soil MS

##### Blank (BHK0146-BLK1)

Prepared & Analyzed: 11/04/24

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
1,2,4-Trimethylbenzene	ND	0.0050	"							
1,3,5-Trimethylbenzene	ND	0.0050	"							
Naphthalene	ND	0.0038	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0355</i>		<i>"</i>	<i>0.0400</i>		<i>88.6</i>	<i>50-150</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0394</i>		<i>"</i>	<i>0.0400</i>		<i>98.4</i>	<i>50-150</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0383</i>		<i>"</i>	<i>0.0400</i>		<i>95.8</i>	<i>50-150</i>			

##### LCS (BHK0146-BS1)

Prepared & Analyzed: 11/04/24

Benzene	0.102	0.0020	mg/kg	0.100		102	70-130			
Toluene	0.106	0.0050	"	0.100		106	70-130			
Ethylbenzene	0.106	0.0050	"	0.100		106	70-130			
m,p-Xylene	0.214	0.010	"	0.200		107	70-130			
o-Xylene	0.104	0.0050	"	0.100		104	70-130			
1,2,4-Trimethylbenzene	0.101	0.0050	"	0.100		101	70-130			
1,3,5-Trimethylbenzene	0.104	0.0050	"	0.100		104	70-130			
Naphthalene	0.0882	0.0038	"	0.100		88.2	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0390</i>		<i>"</i>	<i>0.0400</i>		<i>97.5</i>	<i>50-150</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0402</i>		<i>"</i>	<i>0.0400</i>		<i>101</i>	<i>50-150</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0392</i>		<i>"</i>	<i>0.0400</i>		<i>98.1</i>	<i>50-150</i>			

##### Matrix Spike (BHK0146-MS1)

Source: 2410585-01

Prepared & Analyzed: 11/04/24

Benzene	0.102	0.0020	mg/kg	0.100	ND	102	70-130			
Toluene	0.100	0.0050	"	0.100	ND	100	70-130			
Ethylbenzene	0.0955	0.0050	"	0.100	ND	95.5	70-130			
m,p-Xylene	0.195	0.010	"	0.200	ND	97.4	70-130			
o-Xylene	0.0950	0.0050	"	0.100	ND	95.0	70-130			
1,2,4-Trimethylbenzene	0.0906	0.0050	"	0.100	ND	90.6	70-130			
1,3,5-Trimethylbenzene	0.0933	0.0050	"	0.100	ND	93.3	70-130			
Naphthalene	0.0839	0.0038	"	0.100	ND	83.9	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0415</i>		<i>"</i>	<i>0.0400</i>		<i>104</i>	<i>50-150</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0397</i>		<i>"</i>	<i>0.0400</i>		<i>99.2</i>	<i>50-150</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0398</i>		<i>"</i>	<i>0.0400</i>		<i>99.6</i>	<i>50-150</i>			

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Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Chevron - UPRC 35-06F  
Project Number: UWRWE-A4169-ABN  
Project Manager: AJ Engelhardt

**Reported:**  
11/15/24 10:31

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

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

**Batch BHK0146 - EPA 5030 Soil MS**

<b>Matrix Spike Dup (BHK0146-MSD1)</b>	<b>Source: 2410585-01</b>			<b>Prepared &amp; Analyzed: 11/04/24</b>						
Benzene	0.0944	0.0020	mg/kg	0.100	ND	94.4	70-130	7.90	30	
Toluene	0.0981	0.0050	"	0.100	ND	98.1	70-130	1.94	30	
Ethylbenzene	0.0947	0.0050	"	0.100	ND	94.7	70-130	0.820	30	
m,p-Xylene	0.195	0.010	"	0.200	ND	97.3	70-130	0.139	30	
o-Xylene	0.0952	0.0050	"	0.100	ND	95.2	70-130	0.221	30	
1,2,4-Trimethylbenzene	0.0897	0.0050	"	0.100	ND	89.7	70-130	1.03	30	
1,3,5-Trimethylbenzene	0.0922	0.0050	"	0.100	ND	92.2	70-130	1.26	30	
Naphthalene	0.0865	0.0038	"	0.100	ND	86.5	70-130	3.03	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0401</i>		<i>"</i>	<i>0.0400</i>		<i>100</i>	<i>50-150</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0396</i>		<i>"</i>	<i>0.0400</i>		<i>99.1</i>	<i>50-150</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0406</i>		<i>"</i>	<i>0.0400</i>		<i>102</i>	<i>50-150</i>			

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Project: Chevron - UPRC 35-06F  
Project Number: UWRWE-A4169-ABN  
Project Manager: AJ Engelhardt

**Reported:**  
11/15/24 10:31

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

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

**Batch BHK0147 - EPA 3550A**

**Blank (BHK0147-BLK1)**

Prepared: 11/04/24 Analyzed: 11/05/24

C10-C28 (DRO)	ND	50	mg/kg							
C28-C36 (ORO)	ND	50	"							
Surrogate: <i>o</i> -Terphenyl	14.2		"	12.5		113		30-150		

**LCS (BHK0147-BS1)**

Prepared: 11/04/24 Analyzed: 11/05/24

C10-C28 (DRO)	431	50	mg/kg	500		86.1		70-130		
Surrogate: <i>o</i> -Terphenyl	12.9		"	12.5		103		30-150		

**Matrix Spike (BHK0147-MS1)**

Source: 2410585-01

Prepared: 11/04/24 Analyzed: 11/05/24

C10-C28 (DRO)	459	50	mg/kg	500	22.1	87.3		70-130		
Surrogate: <i>o</i> -Terphenyl	13.3		"	12.5		107		30-150		

**Matrix Spike Dup (BHK0147-MSD1)**

Source: 2410585-01

Prepared: 11/04/24 Analyzed: 11/05/24

C10-C28 (DRO)	433	50	mg/kg	500	22.1	82.2		70-130	5.79	20
Surrogate: <i>o</i> -Terphenyl	12.1		"	12.5		96.7		30-150		

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6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Chevron - UPRC 35-06F

Project Number: UWRWE-A4169-ABN  
Project Manager: AJ Engelhardt

**Reported:**  
11/15/24 10:31

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

**Summit Scientific**

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

**Batch BHK0108 - EPA 5030 Soil MS**

**Blank (BHK0108-BLK1)**

Prepared: 11/04/24 Analyzed: 11/05/24

Acenaphthene	ND	0.00500	mg/kg							
Anthracene	ND	0.00500	"							
Benzo (a) anthracene	ND	0.00500	"							
Benzo (a) pyrene	ND	0.00500	"							
Benzo (b) fluoranthene	ND	0.00500	"							
Benzo (k) fluoranthene	ND	0.00500	"							
Chrysene	ND	0.00500	"							
Dibenz (a,h) anthracene	ND	0.00500	"							
Fluoranthene	ND	0.00500	"							
Fluorene	ND	0.00500	"							
Indeno (1,2,3-cd) pyrene	ND	0.00500	"							
Pyrene	ND	0.00500	"							
1-Methylnaphthalene	ND	0.00500	"							
2-Methylnaphthalene	ND	0.00500	"							
Surrogate: 2-Methylnaphthalene-d10	0.0236		"	0.0333		70.7	40-150			
Surrogate: Fluoranthene-d10	0.0246		"	0.0333		73.9	40-150			

**LCS (BHK0108-BS1)**

Prepared: 11/04/24 Analyzed: 11/05/24

Acenaphthene	0.0212	0.00500	mg/kg	0.0333	63.5	31-137	
Anthracene	0.0218	0.00500	"	0.0333	65.5	30-120	
Benzo (a) anthracene	0.0225	0.00500	"	0.0333	67.6	30-120	
Benzo (a) pyrene	0.0203	0.00500	"	0.0333	61.0	30-120	
Benzo (b) fluoranthene	0.0203	0.00500	"	0.0333	61.0	30-120	
Benzo (k) fluoranthene	0.0205	0.00500	"	0.0333	61.6	30-120	
Chrysene	0.0225	0.00500	"	0.0333	67.4	30-120	
Dibenz (a,h) anthracene	0.0183	0.00500	"	0.0333	55.0	30-120	
Fluoranthene	0.0219	0.00500	"	0.0333	65.6	30-120	
Fluorene	0.0212	0.00500	"	0.0333	63.4	30-120	
Indeno (1,2,3-cd) pyrene	0.0264	0.00500	"	0.0333	79.3	30-120	
Pyrene	0.0238	0.00500	"	0.0333	71.5	35-142	
1-Methylnaphthalene	0.0199	0.00500	"	0.0333	59.8	35-142	
2-Methylnaphthalene	0.0210	0.00500	"	0.0333	63.0	35-142	
Surrogate: 2-Methylnaphthalene-d10	0.0207		"	0.0333	62.0	40-150	
Surrogate: Fluoranthene-d10	0.0224		"	0.0333	67.1	40-150	

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Broomfield CO, 80020

Project: Chevron - UPRC 35-06F

Project Number: UWRWE-A4169-ABN  
Project Manager: AJ Engelhardt

**Reported:**  
11/15/24 10:31

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

**Summit Scientific**

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

**Batch BHK0108 - EPA 5030 Soil MS**

<b>Matrix Spike (BHK0108-MS1)</b>	<b>Source: 2410595-01</b>			Prepared: 11/04/24 Analyzed: 11/05/24						<b>QM-01</b>
Acenaphthene	0.0114	0.00500	mg/kg	0.0333	ND	34.1	31-137			
Anthracene	0.0125	0.00500	"	0.0333	ND	37.4	30-120			
Benzo (a) anthracene	0.0134	0.00500	"	0.0333	ND	40.1	30-120			
Benzo (a) pyrene	0.0118	0.00500	"	0.0333	ND	35.5	30-120			
Benzo (b) fluoranthene	0.0116	0.00500	"	0.0333	ND	34.7	30-120			
Benzo (k) fluoranthene	0.0117	0.00500	"	0.0333	ND	35.1	30-120			
Chrysene	0.0131	0.00500	"	0.0333	ND	39.2	30-120			
Dibenz (a,h) anthracene	0.00985	0.00500	"	0.0333	ND	29.5	30-120			
Fluoranthene	0.0127	0.00500	"	0.0333	ND	38.1	30-120			
Fluorene	0.0120	0.00500	"	0.0333	ND	35.9	30-120			
Indeno (1,2,3-cd) pyrene	0.0141	0.00500	"	0.0333	ND	42.2	30-120			
Pyrene	0.0140	0.00500	"	0.0333	ND	41.9	35-142			
1-Methylnaphthalene	0.0101	0.00500	"	0.0333	ND	30.4	15-130			
2-Methylnaphthalene	0.0103	0.00500	"	0.0333	ND	30.9	15-130			
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0103</i>		<i>"</i>	<i>0.0333</i>		<i>30.9</i>	<i>40-150</i>			
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0129</i>		<i>"</i>	<i>0.0333</i>		<i>38.8</i>	<i>40-150</i>			

<b>Matrix Spike Dup (BHK0108-MSD1)</b>	<b>Source: 2410595-01</b>			Prepared: 11/04/24 Analyzed: 11/05/24						<b>QM-01</b>
Acenaphthene	0.0146	0.00500	mg/kg	0.0333	ND	43.7	31-137	24.5	30	
Anthracene	0.0148	0.00500	"	0.0333	ND	44.4	30-120	17.1	30	
Benzo (a) anthracene	0.0160	0.00500	"	0.0333	ND	48.1	30-120	18.2	30	
Benzo (a) pyrene	0.0141	0.00500	"	0.0333	ND	42.4	30-120	17.7	30	
Benzo (b) fluoranthene	0.0132	0.00500	"	0.0333	ND	39.6	30-120	13.2	30	
Benzo (k) fluoranthene	0.0133	0.00500	"	0.0333	ND	39.9	30-120	12.9	30	
Chrysene	0.0155	0.00500	"	0.0333	ND	46.4	30-120	16.9	30	
Dibenz (a,h) anthracene	0.0147	0.00500	"	0.0333	ND	44.0	30-120	39.2	30	
Fluoranthene	0.0153	0.00500	"	0.0333	ND	46.0	30-120	18.9	30	
Fluorene	0.0150	0.00500	"	0.0333	ND	45.0	30-120	22.3	30	
Indeno (1,2,3-cd) pyrene	0.0217	0.00500	"	0.0333	ND	65.2	30-120	42.7	30	
Pyrene	0.0161	0.00500	"	0.0333	ND	48.4	35-142	14.5	30	
1-Methylnaphthalene	0.0129	0.00500	"	0.0333	ND	38.7	15-130	23.8	50	
2-Methylnaphthalene	0.0132	0.00500	"	0.0333	ND	39.7	15-130	25.0	50	
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0138</i>		<i>"</i>	<i>0.0333</i>		<i>41.3</i>	<i>40-150</i>			
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0155</i>		<i>"</i>	<i>0.0333</i>		<i>46.5</i>	<i>40-150</i>			

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Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Chevron - UPRC 35-06F  
Project Number: UWRWE-A4169-ABN  
Project Manager: AJ Engelhardt

**Reported:**  
11/15/24 10:31

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

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

**Batch BHK0379 - EPA 3050B**

**Blank (BHK0379-BLK1)**

Prepared: 11/07/24 Analyzed: 11/08/24

Boron ND 2.00 mg/L

**LCS (BHK0379-BS1)**

Prepared: 11/07/24 Analyzed: 11/08/24

Boron 4.79 2.00 mg/L 5.00 95.8 80-120

**Duplicate (BHK0379-DUP1)**

**Source: 2410594-01**

Prepared: 11/07/24 Analyzed: 11/08/24

Boron 0.593 2.00 mg/L 0.601 1.34 20

**Matrix Spike (BHK0379-MS1)**

**Source: 2410594-01**

Prepared: 11/07/24 Analyzed: 11/08/24

Boron 5.52 2.00 mg/L 5.04 0.601 97.6 75-125

**Matrix Spike Dup (BHK0379-MSD1)**

**Source: 2410594-01**

Prepared: 11/07/24 Analyzed: 11/08/24

Boron 5.80 2.00 mg/L 5.04 0.601 103 75-125 4.98 25

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Project: Chevron - UPRC 35-06F  
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Project Manager: AJ Engelhardt

**Reported:**  
11/15/24 10:31

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

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

**Batch BHK0578 - EPA 3050B**

**Blank (BHK0578-BLK1)**

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

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 (BHK0578-BS1)**

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

Arsenic	38.3	0.200	mg/kg wet	40.3	95.0	80-120
Barium	39.2	0.400	"	40.3	97.2	80-120
Cadmium	2.00	0.200	"	2.02	99.2	80-120
Copper	40.6	0.400	"	40.3	101	80-120
Lead	19.3	0.200	"	20.2	95.6	80-120
Nickel	40.2	0.400	"	40.3	99.8	80-120
Silver	1.94	0.0200	"	2.02	96.1	80-120
Zinc	41.3	0.400	"	40.3	102	80-120
Selenium	4.66	0.260	"	4.03	116	80-120

**Duplicate (BHK0578-DUP1)**

Source: 2410595-01

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

Arsenic	1.41	0.200	mg/kg dry	1.52	6.97	20
Barium	46.7	0.400	"	48.5	3.70	20
Cadmium	0.168	0.200	"	0.185	9.40	20
Copper	3.34	0.400	"	3.44	2.80	20
Lead	4.82	0.200	"	5.29	9.19	20
Nickel	3.06	0.400	"	3.12	2.03	20
Silver	0.0211	0.0200	"	0.0264	22.6	20
Zinc	14.6	0.400	"	15.4	5.31	20
Selenium	ND	0.260	"	ND		20

QR-01

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Project: Chevron - UPRC 35-06F

Project Number: UWRWE-A4169-ABN  
Project Manager: AJ Engelhardt

**Reported:**  
11/15/24 10:31

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

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

**Batch BHK0578 - EPA 3050B**

<b>Matrix Spike (BHK0578-MS1)</b>	<b>Source: 2410595-01</b>			Prepared: 11/12/24 Analyzed: 11/13/24						
Arsenic	45.5	0.200	mg/kg dry	46.3	1.52	95.1	75-125			
Barium	91.9	0.400	"	46.3	48.5	94.0	75-125			
Cadmium	2.45	0.200	"	2.31	0.185	98.0	75-125			
Copper	38.6	0.400	"	46.3	3.44	75.9	75-125			
Lead	27.1	0.200	"	23.1	5.29	94.4	75-125			
Nickel	38.6	0.400	"	46.3	3.12	76.7	75-125			
Silver	0.393	0.0200	"	2.31	0.0264	15.9	75-125			QM-05
Zinc	52.2	0.400	"	46.3	15.4	79.5	75-125			
Selenium	4.82	0.260	"	4.63	ND	104	75-125			

<b>Matrix Spike Dup (BHK0578-MSD1)</b>	<b>Source: 2410595-01</b>			Prepared: 11/12/24 Analyzed: 11/13/24						
Arsenic	47.6	0.200	mg/kg dry	47.4	1.52	97.2	75-125	4.46	25	
Barium	101	0.400	"	47.4	48.5	111	75-125	9.30	25	
Cadmium	2.54	0.200	"	2.37	0.185	99.3	75-125	3.50	25	
Copper	40.7	0.400	"	47.4	3.44	78.6	75-125	5.38	25	
Lead	27.4	0.200	"	23.7	5.29	93.3	75-125	1.06	25	
Nickel	40.6	0.400	"	47.4	3.12	79.1	75-125	5.02	25	
Silver	0.399	0.0200	"	2.37	0.0264	15.7	75-125	1.52	25	QM-05
Zinc	53.3	0.400	"	47.4	15.4	79.9	75-125	2.14	25	
Selenium	5.10	0.260	"	4.74	ND	108	75-125	5.63	25	

Summit Scientific

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Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Chevron - UPRC 35-06F  
Project Number: UWRWE-A4169-ABN  
Project Manager: AJ Engelhardt

**Reported:**  
11/15/24 10:31

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

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

**Batch BHK0628 - 3060A Mod**

**Blank (BHK0628-BLK1)**

Prepared: 11/13/24 Analyzed: 11/14/24

Chromium, Hexavalent ND 0.30 mg/kg wet

**LCS (BHK0628-BS1)**

Prepared: 11/13/24 Analyzed: 11/14/24

Chromium, Hexavalent 26.0 0.30 mg/kg wet 25.0 104 80-120

**Duplicate (BHK0628-DUP1)**

**Source: 2410585-01**

Prepared: 11/13/24 Analyzed: 11/14/24

Chromium, Hexavalent ND 0.30 mg/kg dry ND 20

**Matrix Spike (BHK0628-MS1)**

**Source: 2410585-01**

Prepared: 11/13/24 Analyzed: 11/14/24

Chromium, Hexavalent 27.5 0.30 mg/kg dry 26.2 ND 105 75-125

**Matrix Spike Dup (BHK0628-MSD1)**

**Source: 2410585-01**

Prepared: 11/13/24 Analyzed: 11/14/24

Chromium, Hexavalent 27.3 0.30 mg/kg dry 26.2 ND 104 75-125 0.574 20

Summit Scientific

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Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Chevron - UPRC 35-06F  
Project Number: UWRWE-A4169-ABN  
Project Manager: AJ Engelhardt

**Reported:**  
11/15/24 10:31

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

**Summit Scientific**

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

**Batch BHK0444 - General Preparation**

**Blank (BHK0444-BLK1)**

Prepared: 11/08/24 Analyzed: 11/12/24

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

**LCS (BHK0444-BS1)**

Prepared: 11/08/24 Analyzed: 11/12/24

Calcium	4.78	0.0500	mg/L wet	5.00	95.6	70-130				
Magnesium	4.51	0.0500	"	5.00	90.2	70-130				
Sodium	4.41	0.0500	"	5.00	88.2	70-130				

Summit Scientific

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Tasman Geosciences  
 6855 W. 119th Ave.  
 Broomfield CO, 80020

Project: Chevron - UPRC 35-06F  
 Project Number: UWRWE-A4169-ABN  
 Project Manager: AJ Engelhardt

**Reported:**  
 11/15/24 10:31

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

**Summit Scientific**

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

**Batch BHK0241 - General Preparation**

<b>Duplicate (BHK0241-DUP1)</b>		<b>Source: 2410576-31</b>		<b>Prepared &amp; Analyzed: 11/06/24</b>	
% Solids	93.8	%		92.8	1.04 20

Summit Scientific

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Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Chevron - UPRC 35-06F  
Project Number: UWRWE-A4169-ABN  
Project Manager: AJ Engelhardt

**Reported:**  
11/15/24 10:31

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

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

**Batch BHK0445 - General Preparation**

**Blank (BHK0445-BLK1)**

Prepared: 11/08/24 Analyzed: 11/11/24

Specific Conductance (EC) ND 0.0100 mmhos/cm

**LCS (BHK0445-BS1)**

Prepared: 11/08/24 Analyzed: 11/11/24

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

**Duplicate (BHK0445-DUP1)**

**Source: 2410594-01**

Prepared: 11/08/24 Analyzed: 11/11/24

Specific Conductance (EC) 1.18 0.0100 mmhos/cm 1.18 0.170 20

Summit Scientific

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Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Chevron - UPRC 35-06F

Project Number: UWRWE-A4169-ABN  
Project Manager: AJ Engelhardt

**Reported:**  
11/15/24 10:31

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

**Summit Scientific**

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

**Batch BHK0446 - General Preparation**

**LCS (BHK0446-BS1)**

Prepared: 11/08/24 Analyzed: 11/11/24

pH	9.40	pH Units	9.18	102	95-105
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**Duplicate (BHK0446-DUP1)**

Source: 2410594-01

Prepared: 11/08/24 Analyzed: 11/11/24

pH	6.68	pH Units	6.68	0.00	20
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Summit Scientific

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Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Chevron - UPRC 35-06F

Project Number: UWRWE-A4169-ABN

Project Manager: AJ Engelhardt

**Reported:**  
11/15/24 10:31

### Notes and Definitions

- QR-01 Analyses are not controlled on RPD values from sample concentrations below the reporting limit. Sample results were accepted based on LCS and/or LCSD recoveries and/or RPD values.
- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. Sample results were accepted based on LCS and/or LCSD recoveries and/or RPD values.
- QM-01 The spike recovery for this QC sample is outside of established control limits due to sample matrix interference. Sample results were accepted based on LCS and/or LCSD recoveries and/or RPD values.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference