

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

June 02, 2025

AJ Engelhardt

Tasman Geosciences

4725 Independence St.

Wheat Ridge, CO 80033

RE: Chevron - Wiest 28-11H6

Work Order #2504233

Enclosed are the results of analyses for samples received by Summit Scientific on 04/14/25 16:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Amanda Stilwell". The signature is fluid and cursive, with the first name being more prominent.

Amanda Stilwell For Paul Shrewsbury
President



Tasman Geosciences
 4725 Independence St.
 Wheat Ridge CO, 80033

Project: Chevron - Wiest 28-11H6

Project Number: [none]
 Project Manager: AJ Engelhardt

Reported:
 06/02/25 15:54

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BKG02@2-3'	2504233-01	Soil	04/14/25 11:00	04/14/25 16:30
BKG02@3-4'	2504233-02	Soil	04/14/25 11:05	04/14/25 16:30
BKG02@4-5'	2504233-03	Soil	04/14/25 11:10	04/14/25 16:30
BKG03@2-3'	2504233-04	Soil	04/14/25 11:20	04/14/25 16:30
BKG03@3-4'	2504233-05	Soil	04/14/25 11:25	04/14/25 16:30
BKG03@4-5'	2504233-06	Soil	04/14/25 11:30	04/14/25 16:30
BKG04@2-3'	2504233-07	Soil	04/14/25 11:50	04/14/25 16:30
BKG04@3-4'	2504233-08	Soil	04/14/25 11:55	04/14/25 16:30
BKG04@4-5'	2504233-09	Soil	04/14/25 12:00	04/14/25 16:30
BKG05@2-3'	2504233-10	Soil	04/14/25 12:25	04/14/25 16:30
BKG05@3-4'	2504233-11	Soil	04/14/25 12:27	04/14/25 16:30
BKG05@4-5'	2504233-12	Soil	04/14/25 12:30	04/14/25 16:30
BKG06@2-3'	2504233-13	Soil	04/14/25 12:10	04/14/25 16:30
BKG06@3-4'	2504233-14	Soil	04/14/25 12:15	04/14/25 16:30
BKG06@4-5'	2504233-15	Soil	04/14/25 12:20	04/14/25 16:30
BH01/GW01	2504233-16	Water	04/14/25 11:45	04/14/25 16:30

Case Narrative

This project has been renamed per client request on 06/02/2025.

This is a revision of the report originally sent on 06/02/2025 at 9:06 MT.

Summit Scientific

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

Lab ID 2504233 Page 1 of 2

Client: Noble/Tasman		Send Data To: Project Manager: <u>Ryan ^{US} Yarnitzky A) Engelhardt</u>		Send Invoice To: Company: Noble	
Address: <u>6855 W. 119th Ave. 4725 Independence st</u>		E-Mail: <u>tas-chevron-3@tasman-geo.com</u>		Project Name/Location: <u>Wiest 28-116</u>	
City/State/Zip: <u>Broomfield/CO/80020</u>		RBUEF27@Chevron.com <u>Jason Davidson@chevron.com</u>		AFE#:	
Phone: <u>(970) 405-3529</u>		Project Name: <u>Wiest 28-116</u>		PO/Billing Codes:	
Sampler Name: <u>Wises Sandal</u>		Project Number:		Contact: <u>Jason Davidson</u>	

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix			Analysis Requested						Special Instructions
					HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other	Metals - 915	VOC - 915	TPH - 915	PAH - 915	SAR, EC, pH	
1	BK602e 2-3'	4-14-25	11:00	1			X			X					X	X		SAR, EC, pH by saturated paste
2	BK602e 3-4'		11:05															
3	BK602e 4-5'		11:10															
4	BK603e 2-3'		11:20															
5	BK603e 3-4'		11:25															
6	BK603e 4-5'		11:30															
7	BK604e 2-3'		11:50															
8	BK604e 3-4'		11:55															
9	BK604e 4-5'		12:00															
10	BK605e 2-3'		12:25															
11	BK605e 3-4'		12:27															
12	BK605e 4-5'		12:30															
13	BK606e 2-3'		12:10															
14	BK606e 3-4'		12:15															
15	BK606e 4-5'		12:20															

Relinquished by: <u>Wises Sandal</u> Date/Time: <u>4-14-25 14:00</u>	Received by: <u>Tasman Lock-Box</u> Date/Time: <u>4-14-25 14:00</u>	TAT Business Days	Field DO	Notes:
		Same Day	Field EC	
Relinquished by: <u>52</u> Date/Time: <u>4/14/25 10:30</u>	Received by: <u>[Signature]</u> Date/Time: <u>4/14/25 10:30</u>	1 Day	Field ORP	
		2 Days	Field pH	
Relinquished by: _____ Date/Time: _____	Received by: _____ Date/Time: _____	3 Days	Field Temp.	
Temperature Upon Receipt: <u>1.0</u>	Corrected Temperature: <u>0</u>	Standard	Field Turb. <input checked="" type="checkbox"/>	
	IR gun #: <u>1</u>		HNO3 lot #:	



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

Lab ID	Page 2 of 2
2504233	

Send Data To:		Send Invoice To:	
Client: Noble/Tasman	Project Manager: A) Engelhardt	Company: Noble	
Address: 6855 W. 119th Ave. 4725 Independence St	E-Mail: tas-chevron-3@tasman-geo.com	Project Name/Location: west 28-11H6	
City/State/Zip: Broomfield/CO/80020 Wheat Ridge 80023	RBUEF27@Chevron.com Jason Davidson e.chevron.com	AFE#:	
Phone: 970 405 3529	Project Name: west 28-H6	PO/Billing Codes:	
Sampler Name: Wilises Sandel	Project Number:	Contact: Jason Davidson	

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix			Analysis Requested							Special Instructions					
					HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other	Metals - 915	VOC - 915	TPH - 915	PAH - 915	SAR, EC, pH	Boron - HWS		HOLD	TMP TDS, CI			
1	BH01/GW01	4-14-25	11:45	4	X				X												X	SAR, EC, pH by saturated paste		
2																								
3																								
4																								
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								
13																								
14																								
15																								

Relinquished by: Wilises Sandel	Date/Time: 4-14-25 14:00	Received by: Tasman Lock Box Summit Nath Maul	Date/Time: 4-14-25 14:00	TAT Business Days	Field DO	Notes:
				Same Day	Field EC	
Relinquished by: SC	Date/Time: 4/14/25 16:30	Received by: [Signature]	Date/Time: 4/14/25 16:30	1 Day	Field ORP	
				2 Days	Field pH	
Relinquished by:	Date/Time:	Received by:	Date/Time:	3 Days	Field Temp.	
Temperature Upon Receipt: 1.0	Corrected Temperature: 0	IR gun #:	1	Standard	Field Turb.	
					HNO3 lot #:	

S₂

4/2

S2 Work Order# 2504232

Sample Receipt Checklist

Client: Wade Farman

Client Project ID: Wrest 28-1146

Received Via: H.D./P.U./FedEx/UPS/USPS/Other

Airbill # _____

Matrix (Circle all that apply) Air/Soil/Water/Other

Temp (°C) 1.6

Thermometer # 1

Bottle ware (Circle all that apply) Glass Jar/Voa/Amber/Poly/Other

	Yes	No	N/A	Comments (if any)
If samples require cooling, is the temperature < 6°C? ⁽¹⁾ NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	-			on 20E
If custody seals are present, are they intact? ⁽¹⁾	-			
Are samples due within 48 hours?		-		
Are water samples with short hold times present? Note the short hold analysis in the comments column - pH, Nitrate/Nitrite, Ferrous Iron (Fe ²⁺), Hexavalent Chromium (Cr ⁶⁺ , Cr VI), COD, Total Residual Chlorine (TRC)		-		
Is a chain-of-custody (COC) form present and filled out Completely? ⁽¹⁾	-			
Is the COC properly relinquished by the client w/ date and time recorded? ⁽¹⁾	-			
Were all samples received intact? ⁽¹⁾	✓			
Was adequate sample volume provided? ⁽¹⁾	✓			
Were samples provided in appropriate bottle ware?	✓			
Does the COC agree with the number and type of sample bottles received? ⁽¹⁾	✓			
Do the sample IDs on the bottle labels match the COC? ⁽¹⁾		✓		Water sample not labeled
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.		✓		
Are any samples/bottles preserved (excluding cooling)? ⁽¹⁾ Note the type of preservative in the comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , etc.	✓			HCl
If samples are acid preserved for metals, is the pH ≤ 2? ⁽¹⁾ Record the pH in Comments.		✓		
If dissolved metals are requested, were samples field filtered?		✓	✓	
Are there requested analysis that cannot be performed by S2? Note analysis in the comments column		✓		
<u>Additional Comments (if any):</u>				

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

Control Form #: SRC-001

[Signature]
Custodian Printed Name

4-4-25 20:45
Date/Time



Tasman Geosciences
4725 Independence St.
Wheat Ridge CO, 80033

Project: Chevron - Wiest 28-11H6

Project Number: [none]
Project Manager: AJ Engelhardt

Reported:
06/02/25 15:54

BKG02@2-3'
2504233-01 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/14/25 11:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L dry	1	BID0807	04/15/25	04/17/25	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/14/25 11:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	4.58	0.200	mg/kg dry	1	BID0806	"	05/25/25	EPA 6020B	
Barium	168	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	10.7	0.400	"	"	"	"	"	"	
Lead	10.6	0.200	"	"	"	"	"	"	
Nickel	9.94	0.400	"	"	"	"	"	"	
Silver	0.0468	0.0200	"	"	"	"	"	"	
Zinc	33.8	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by HACH M8023

Date Sampled: **04/14/25 11:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BID0959	04/16/25	04/17/25	Hach 8000	

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

Date Sampled: **04/14/25 11:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	151	0.0500	mg/L dry	1	BIE0062	05/01/25	05/29/25	EPA 6020B	
Magnesium	156	0.0500	"	"	"	"	"	"	
Sodium	166	0.0500	"	"	"	"	"	"	

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Tasman Geosciences
4725 Independence St.
Wheat Ridge CO, 80033

Project: Chevron - Wiest 28-11H6

Project Number: [none]
Project Manager: AJ Engelhardt

Reported:
06/02/25 15:54

BKG02@2-3'
2504233-01 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **04/14/25 11:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	2.26	0.00100	units	1	BIE0787	05/30/25	05/30/25	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/14/25 11:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	82.5		%	1	BID0827	04/15/25	04/16/25	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/14/25 11:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	2.14	0.0100	mmhos/cm	1	BIE0064	05/01/25	05/05/25	EPA 120.1	

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

Date Sampled: **04/14/25 11:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.51		pH Units	1	BIE0063	05/01/25	05/05/25	EPA 9045D	

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4725 Independence St.
Wheat Ridge CO, 80033

Project: Chevron - Wiest 28-11H6

Project Number: [none]
Project Manager: AJ Engelhardt

Reported:
06/02/25 15:54

BKG02@3-4'
2504233-02 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/14/25 11:05**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L dry	1	BID0807	04/15/25	04/17/25	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/14/25 11:05**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	4.09	0.200	mg/kg dry	1	BID0806	"	05/25/25	EPA 6020B	
Barium	121	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	7.70	0.400	"	"	"	"	"	"	
Lead	8.21	0.200	"	"	"	"	"	"	
Nickel	7.98	0.400	"	"	"	"	"	"	
Silver	0.0424	0.0200	"	"	"	"	"	"	
Zinc	28.4	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by HACH M8023

Date Sampled: **04/14/25 11:05**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BID0959	04/16/25	04/17/25	Hach 8000	

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

Date Sampled: **04/14/25 11:05**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	679	0.0500	mg/L dry	1	BIE0062	05/01/25	05/29/25	EPA 6020B	
Magnesium	216	0.0500	"	"	"	"	"	"	
Sodium	114	0.0500	"	"	"	"	"	"	

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Tasman Geosciences
4725 Independence St.
Wheat Ridge CO, 80033

Project: Chevron - Wiest 28-11H6

Project Number: [none]
Project Manager: AJ Engelhardt

Reported:
06/02/25 15:54

BKG02@3-4'
2504233-02 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **04/14/25 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.976	0.00100	units	1	BIE0787	05/30/25	05/30/25	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/14/25 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	82.1		%	1	BID0827	04/15/25	04/16/25	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/14/25 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	3.55	0.0100	mmhos/cm	1	BIE0064	05/01/25	05/05/25	EPA 120.1	

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

Date Sampled: **04/14/25 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.97		pH Units	1	BIE0063	05/01/25	05/05/25	EPA 9045D	

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Tasman Geosciences
4725 Independence St.
Wheat Ridge CO, 80033

Project: Chevron - Wiest 28-11H6

Project Number: [none]
Project Manager: AJ Engelhardt

Reported:
06/02/25 15:54

BKG02@4-5'
2504233-03 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/14/25 11:10**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L dry	1	BID0807	04/15/25	04/17/25	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/14/25 11:10**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	4.33	0.200	mg/kg dry	1	BID0806	"	05/25/25	EPA 6020B	
Barium	145	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	9.16	0.400	"	"	"	"	"	"	
Lead	10.1	0.200	"	"	"	"	"	"	
Nickel	8.83	0.400	"	"	"	"	"	"	
Silver	0.0687	0.0200	"	"	"	"	"	"	
Zinc	31.5	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by HACH M8023

Date Sampled: **04/14/25 11:10**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BID0959	04/16/25	04/17/25	Hach 8000	

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

Date Sampled: **04/14/25 11:10**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	519	0.0500	mg/L dry	1	BIE0062	05/01/25	05/29/25	EPA 6020B	
Magnesium	194	0.0500	"	"	"	"	"	"	
Sodium	103	0.0500	"	"	"	"	"	"	

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4725 Independence St.
Wheat Ridge CO, 80033

Project: Chevron - Wiest 28-11H6

Project Number: [none]
Project Manager: AJ Engelhardt

Reported:
06/02/25 15:54

BKG02@4-5'
2504233-03 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **04/14/25 11:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.979	0.00100	units	1	BIE0787	05/30/25	05/30/25	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/14/25 11:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	81.9		%	1	BID0827	04/15/25	04/16/25	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/14/25 11:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	3.06	0.0100	mmhos/cm	1	BIE0064	05/01/25	05/05/25	EPA 120.1	

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

Date Sampled: **04/14/25 11:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.99		pH Units	1	BIE0063	05/01/25	05/05/25	EPA 9045D	

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Tasman Geosciences
4725 Independence St.
Wheat Ridge CO, 80033

Project: Chevron - Wiest 28-11H6

Project Number: [none]
Project Manager: AJ Engelhardt

Reported:
06/02/25 15:54

BKG03@2-3'
2504233-04 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/14/25 11:20**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L dry	1	BID0807	04/15/25	04/17/25	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/14/25 11:20**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	3.61	0.200	mg/kg dry	1	BID0806	"	05/25/25	EPA 6020B	
Barium	146	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	9.45	0.400	"	"	"	"	"	"	
Lead	9.23	0.200	"	"	"	"	"	"	
Nickel	9.50	0.400	"	"	"	"	"	"	
Silver	0.0395	0.0200	"	"	"	"	"	"	
Zinc	34.2	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by HACH M8023

Date Sampled: **04/14/25 11:20**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BID0959	04/16/25	04/17/25	Hach 8000	

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

Date Sampled: **04/14/25 11:20**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	414	0.0500	mg/L dry	1	BIE0062	05/01/25	05/29/25	EPA 6020B	
Magnesium	158	0.0500	"	"	"	"	"	"	
Sodium	94.5	0.0500	"	"	"	"	"	"	

Summit Scientific

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Tasman Geosciences
4725 Independence St.
Wheat Ridge CO, 80033

Project: Chevron - Wiest 28-11H6

Project Number: [none]
Project Manager: AJ Engelhardt

Reported:
06/02/25 15:54

BKG03@2-3'
2504233-04 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **04/14/25 11:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	1.00	0.00100	units	1	BIE0787	05/30/25	05/30/25	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/14/25 11:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	79.9		%	1	BID0827	04/15/25	04/16/25	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/14/25 11:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	2.62	0.0100	mmhos/cm	1	BIE0064	05/01/25	05/05/25	EPA 120.1	

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

Date Sampled: **04/14/25 11:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.98		pH Units	1	BIE0063	05/01/25	05/05/25	EPA 9045D	

Summit Scientific

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Tasman Geosciences
4725 Independence St.
Wheat Ridge CO, 80033

Project: Chevron - Wiest 28-11H6

Project Number: [none]
Project Manager: AJ Engelhardt

Reported:
06/02/25 15:54

BKG03@3-4'
2504233-05 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/14/25 11:25**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L dry	1	BID0807	04/15/25	04/17/25	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/14/25 11:25**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	5.18	0.200	mg/kg dry	1	BID0806	"	05/25/25	EPA 6020B	
Barium	119	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	9.28	0.400	"	"	"	"	"	"	
Lead	9.21	0.200	"	"	"	"	"	"	
Nickel	9.51	0.400	"	"	"	"	"	"	
Silver	0.0279	0.0200	"	"	"	"	"	"	
Zinc	30.8	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by HACH M8023

Date Sampled: **04/14/25 11:25**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BID0959	04/16/25	04/17/25	Hach 8000	

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

Date Sampled: **04/14/25 11:25**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	634	0.0500	mg/L dry	1	BIE0062	05/01/25	05/29/25	EPA 6020B	
Magnesium	331	0.0500	"	"	"	"	"	"	
Sodium	144	0.0500	"	"	"	"	"	"	

Summit Scientific

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Tasman Geosciences
4725 Independence St.
Wheat Ridge CO, 80033

Project: Chevron - Wiest 28-11H6

Project Number: [none]
Project Manager: AJ Engelhardt

Reported:
06/02/25 15:54

BKG03@3-4'
2504233-05 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **04/14/25 11:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	1.15	0.00100	units	1	BIE0787	05/30/25	05/30/25	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/14/25 11:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	79.2		%	1	BID0827	04/15/25	04/16/25	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/14/25 11:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	3.96	0.0100	mmhos/cm	1	BIE0064	05/01/25	05/05/25	EPA 120.1	

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

Date Sampled: **04/14/25 11:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.96		pH Units	1	BIE0063	05/01/25	05/05/25	EPA 9045D	

Summit Scientific

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Tasman Geosciences
4725 Independence St.
Wheat Ridge CO, 80033

Project: Chevron - Wiest 28-11H6

Project Number: [none]
Project Manager: AJ Engelhardt

Reported:
06/02/25 15:54

BKG03@4-5'
2504233-06 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/14/25 11:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L dry	1	BID0807	04/15/25	04/17/25	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/14/25 11:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	4.16	0.200	mg/kg dry	1	BID0806	"	05/25/25	EPA 6020B	
Barium	148	0.400	"	"	"	"	"	"	
Cadmium	0.210	0.200	"	"	"	"	"	"	
Copper	8.71	0.400	"	"	"	"	"	"	
Lead	9.44	0.200	"	"	"	"	"	"	
Nickel	9.91	0.400	"	"	"	"	"	"	
Silver	0.0451	0.0200	"	"	"	"	"	"	
Zinc	35.9	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by HACH M8023

Date Sampled: **04/14/25 11:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BID0959	04/16/25	04/17/25	Hach 8000	

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

Date Sampled: **04/14/25 11:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	457	0.0500	mg/L dry	1	BIE0062	05/01/25	05/29/25	EPA 6020B	
Magnesium	220	0.0500	"	"	"	"	"	"	
Sodium	96.8	0.0500	"	"	"	"	"	"	

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.



Tasman Geosciences
4725 Independence St.
Wheat Ridge CO, 80033

Project: Chevron - Wiest 28-11H6

Project Number: [none]
Project Manager: AJ Engelhardt

Reported:
06/02/25 15:54

BKG03@4-5'
2504233-06 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **04/14/25 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.931	0.00100	units	1	BIE0787	05/30/25	05/30/25	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/14/25 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	81.1		%	1	BID0827	04/15/25	04/16/25	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/14/25 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	2.91	0.0100	mmhos/cm	1	BIE0064	05/01/25	05/05/25	EPA 120.1	

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

Date Sampled: **04/14/25 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.00		pH Units	1	BIE0063	05/01/25	05/05/25	EPA 9045D	

Summit Scientific

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Tasman Geosciences
4725 Independence St.
Wheat Ridge CO, 80033

Project: Chevron - Wiest 28-11H6

Project Number: [none]
Project Manager: AJ Engelhardt

Reported:
06/02/25 15:54

BKG04@2-3'
2504233-07 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/14/25 11:50**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L dry	1	BID0807	04/15/25	04/17/25	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/14/25 11:50**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	4.66	0.200	mg/kg dry	1	BID0806	"	05/25/25	EPA 6020B	
Barium	100	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	11.5	0.400	"	"	"	"	"	"	
Lead	15.4	0.200	"	"	"	"	"	"	
Nickel	9.49	0.400	"	"	"	"	"	"	
Silver	0.0674	0.0200	"	"	"	"	"	"	
Zinc	38.5	0.400	"	"	"	"	"	"	
Selenium	0.271	0.260	"	"	"	"	"	"	

Hexavalent Chromium by HACH M8023

Date Sampled: **04/14/25 11:50**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BID0959	04/16/25	04/17/25	Hach 8000	

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

Date Sampled: **04/14/25 11:50**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	562	0.0500	mg/L dry	1	BIE0062	05/01/25	05/29/25	EPA 6020B	
Magnesium	220	0.0500	"	"	"	"	"	"	
Sodium	134	0.0500	"	"	"	"	"	"	

Summit Scientific

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Tasman Geosciences
4725 Independence St.
Wheat Ridge CO, 80033

Project: Chevron - Wiest 28-11H6

Project Number: [none]
Project Manager: AJ Engelhardt

Reported:
06/02/25 15:54

BKG04@2-3'
2504233-07 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **04/14/25 11:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	1.21	0.00100	units	1	BIE0787	05/30/25	05/30/25	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/14/25 11:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	80.7		%	1	BID0827	04/15/25	04/16/25	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/14/25 11:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	3.30	0.0100	mmhos/cm	1	BIE0064	05/01/25	05/05/25	EPA 120.1	

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

Date Sampled: **04/14/25 11:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.98		pH Units	1	BIE0063	05/01/25	05/05/25	EPA 9045D	

Summit Scientific

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Tasman Geosciences
4725 Independence St.
Wheat Ridge CO, 80033

Project: Chevron - Wiest 28-11H6

Project Number: [none]
Project Manager: AJ Engelhardt

Reported:
06/02/25 15:54

BKG04@3-4'
2504233-08 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/14/25 11:55**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L dry	1	BID0807	04/15/25	04/17/25	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/14/25 11:55**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	4.46	0.200	mg/kg dry	1	BID0806	"	05/25/25	EPA 6020B	
Barium	25.1	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	15.2	0.400	"	"	"	"	"	"	
Lead	14.9	0.200	"	"	"	"	"	"	
Nickel	11.4	0.400	"	"	"	"	"	"	
Silver	0.0686	0.0200	"	"	"	"	"	"	
Zinc	45.3	0.400	"	"	"	"	"	"	
Selenium	0.262	0.260	"	"	"	"	"	"	

Hexavalent Chromium by HACH M8023

Date Sampled: **04/14/25 11:55**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BID0959	04/16/25	04/17/25	Hach 8000	

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

Date Sampled: **04/14/25 11:55**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	772	0.0500	mg/L dry	1	BIE0062	05/01/25	05/29/25	EPA 6020B	
Magnesium	182	0.0500	"	"	"	"	"	"	
Sodium	80.0	0.0500	"	"	"	"	"	"	

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.



Tasman Geosciences
4725 Independence St.
Wheat Ridge CO, 80033

Project: Chevron - Wiest 28-11H6

Project Number: [none]
Project Manager: AJ Engelhardt

Reported:
06/02/25 15:54

BKG04@3-4'
2504233-08 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **04/14/25 11:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.673	0.00100	units	1	BIE0787	05/30/25	05/30/25	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/14/25 11:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	80.7		%	1	BID0827	04/15/25	04/16/25	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/14/25 11:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	3.49	0.0100	mmhos/cm	1	BIE0064	05/01/25	05/05/25	EPA 120.1	

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

Date Sampled: **04/14/25 11:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.88		pH Units	1	BIE0063	05/01/25	05/05/25	EPA 9045D	

Summit Scientific

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Tasman Geosciences
4725 Independence St.
Wheat Ridge CO, 80033

Project: Chevron - Wiest 28-11H6

Project Number: [none]
Project Manager: AJ Engelhardt

Reported:
06/02/25 15:54

BKG04@4-5'
2504233-09 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/14/25 12:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L dry	1	BID0807	04/15/25	04/17/25	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/14/25 12:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	4.31	0.200	mg/kg dry	1	BID0806	"	05/25/25	EPA 6020B	
Barium	175	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	13.6	0.400	"	"	"	"	"	"	
Lead	13.7	0.200	"	"	"	"	"	"	
Nickel	10.3	0.400	"	"	"	"	"	"	
Silver	0.0587	0.0200	"	"	"	"	"	"	
Zinc	41.4	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by HACH M8023

Date Sampled: **04/14/25 12:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BID0959	04/16/25	04/17/25	Hach 8000	

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

Date Sampled: **04/14/25 12:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	767	0.0500	mg/L dry	1	BIE0062	05/01/25	05/29/25	EPA 6020B	
Magnesium	166	0.0500	"	"	"	"	"	"	
Sodium	63.1	0.0500	"	"	"	"	"	"	

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.



Tasman Geosciences
4725 Independence St.
Wheat Ridge CO, 80033

Project: Chevron - Wiest 28-11H6

Project Number: [none]
Project Manager: AJ Engelhardt

Reported:
06/02/25 15:54

BKG04@4-5'
2504233-09 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **04/14/25 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.539	0.00100	units	1	BIE0787	05/30/25	05/30/25	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/14/25 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	81.8		%	1	BID0827	04/15/25	04/16/25	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/14/25 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	3.48	0.0100	mmhos/cm	1	BIE0064	05/01/25	05/05/25	EPA 120.1	

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

Date Sampled: **04/14/25 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.84		pH Units	1	BIE0063	05/01/25	05/05/25	EPA 9045D	

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.



Tasman Geosciences
4725 Independence St.
Wheat Ridge CO, 80033

Project: Chevron - Wiest 28-11H6

Project Number: [none]
Project Manager: AJ Engelhardt

Reported:
06/02/25 15:54

BKG05@2-3'
2504233-10 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/14/25 12:25**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L dry	1	BID0807	04/15/25	04/17/25	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/14/25 12:25**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	2.79	0.200	mg/kg dry	1	BID0806	"	05/25/25	EPA 6020B	
Barium	74.5	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	5.79	0.400	"	"	"	"	"	"	
Lead	7.40	0.200	"	"	"	"	"	"	
Nickel	6.90	0.400	"	"	"	"	"	"	
Silver	0.0272	0.0200	"	"	"	"	"	"	
Zinc	22.3	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by HACH M8023

Date Sampled: **04/14/25 12:25**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BID0959	04/16/25	04/17/25	Hach 8000	

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

Date Sampled: **04/14/25 12:25**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	220	0.0500	mg/L dry	1	BIE0062	05/01/25	05/29/25	EPA 6020B	
Magnesium	124	0.0500	"	"	"	"	"	"	
Sodium	141	0.0500	"	"	"	"	"	"	

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.



Tasman Geosciences
4725 Independence St.
Wheat Ridge CO, 80033

Project: Chevron - Wiest 28-11H6

Project Number: [none]
Project Manager: AJ Engelhardt

Reported:
06/02/25 15:54

BKG05@2-3'
2504233-10 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **04/14/25 12:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	1.88	0.00100	units	1	BIE0787	05/30/25	05/30/25	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/14/25 12:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	89.0		%	1	BID0827	04/15/25	04/16/25	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/14/25 12:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	2.18	0.0100	mmhos/cm	1	BIE0064	05/01/25	05/05/25	EPA 120.1	

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

Date Sampled: **04/14/25 12:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.19		pH Units	1	BIE0063	05/01/25	05/05/25	EPA 9045D	

Summit Scientific

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Tasman Geosciences
4725 Independence St.
Wheat Ridge CO, 80033

Project: Chevron - Wiest 28-11H6

Project Number: [none]
Project Manager: AJ Engelhardt

Reported:
06/02/25 15:54

BKG05@3-4'
2504233-11 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/14/25 12:27**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L dry	1	BID0807	04/15/25	04/17/25	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/14/25 12:27**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	8.45	0.200	mg/kg dry	1	BID0806	"	05/25/25	EPA 6020B	
Barium	68.3	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	10.1	0.400	"	"	"	"	"	"	
Lead	9.68	0.200	"	"	"	"	"	"	
Nickel	9.37	0.400	"	"	"	"	"	"	
Silver	0.0266	0.0200	"	"	"	"	"	"	
Zinc	36.0	0.400	"	"	"	"	"	"	
Selenium	0.290	0.260	"	"	"	"	"	"	

Hexavalent Chromium by HACH M8023

Date Sampled: **04/14/25 12:27**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BID0959	04/16/25	04/17/25	Hach 8000	

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

Date Sampled: **04/14/25 12:27**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	92.6	0.0500	mg/L dry	1	BIE0062	05/01/25	05/29/25	EPA 6020B	
Magnesium	73.7	0.0500	"	"	"	"	"	"	
Sodium	103	0.0500	"	"	"	"	"	"	

Summit Scientific

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Tasman Geosciences
4725 Independence St.
Wheat Ridge CO, 80033

Project: Chevron - Wiest 28-11H6

Project Number: [none]
Project Manager: AJ Engelhardt

Reported:
06/02/25 15:54

BKG05@3-4'
2504233-11 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **04/14/25 12:27**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	1.94	0.00100	units	1	BIE0787	05/30/25	05/30/25	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/14/25 12:27**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	83.9		%	1	BID0827	04/15/25	04/16/25	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/14/25 12:27**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.32	0.0100	mmhos/cm	1	BIE0064	05/01/25	05/05/25	EPA 120.1	

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

Date Sampled: **04/14/25 12:27**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.35		pH Units	1	BIE0063	05/01/25	05/05/25	EPA 9045D	

Summit Scientific

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Tasman Geosciences
4725 Independence St.
Wheat Ridge CO, 80033

Project: Chevron - Wiest 28-11H6

Project Number: [none]
Project Manager: AJ Engelhardt

Reported:
06/02/25 15:54

BKG05@4-5'
2504233-12 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/14/25 12:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L dry	1	BID0807	04/15/25	04/17/25	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/14/25 12:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	9.35	0.200	mg/kg dry	1	BID0806	"	05/25/25	EPA 6020B	
Barium	356	0.400	"	"	"	"	"	"	
Cadmium	0.230	0.200	"	"	"	"	"	"	
Copper	10.4	0.400	"	"	"	"	"	"	
Lead	14.0	0.200	"	"	"	"	"	"	
Nickel	10.1	0.400	"	"	"	"	"	"	
Silver	0.0245	0.0200	"	"	"	"	"	"	
Zinc	36.7	0.400	"	"	"	"	"	"	
Selenium	0.283	0.260	"	"	"	"	"	"	

Hexavalent Chromium by HACH M8023

Date Sampled: **04/14/25 12:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BID0959	04/16/25	04/17/25	Hach 8000	

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

Date Sampled: **04/14/25 12:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	64.3	0.0500	mg/L dry	1	BIE0062	05/01/25	05/29/25	EPA 6020B	
Magnesium	47.8	0.0500	"	"	"	"	"	"	
Sodium	56.8	0.0500	"	"	"	"	"	"	

Calculated Analysis

Summit Scientific

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Tasman Geosciences
4725 Independence St.
Wheat Ridge CO, 80033

Project: Chevron - Wiest 28-11H6

Project Number: [none]
Project Manager: AJ Engelhardt

Reported:
06/02/25 15:54

BKG05@4-5'
2504233-12 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **04/14/25 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	1.31	0.00100	units	1	BIE0787	05/30/25	05/30/25	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/14/25 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	85.7		%	1	BID0827	04/15/25	04/16/25	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/14/25 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.888	0.0100	mmhos/cm	1	BIE0064	05/01/25	05/05/25	EPA 120.1	

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

Date Sampled: **04/14/25 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.42		pH Units	1	BIE0063	05/01/25	05/05/25	EPA 9045D	

Summit Scientific

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Tasman Geosciences
4725 Independence St.
Wheat Ridge CO, 80033

Project: Chevron - Wiest 28-11H6

Project Number: [none]
Project Manager: AJ Engelhardt

Reported:
06/02/25 15:54

BKG06@2-3'
2504233-13 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/14/25 12:10**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L dry	1	BID0807	04/15/25	04/17/25	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/14/25 12:10**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	9.97	0.200	mg/kg dry	1	BID0806	"	05/25/25	EPA 6020B	
Barium	52.5	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	3.59	0.400	"	"	"	"	"	"	
Lead	5.23	0.200	"	"	"	"	"	"	
Nickel	3.88	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	14.8	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by HACH M8023

Date Sampled: **04/14/25 12:10**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BID0959	04/16/25	04/17/25	Hach 8000	

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

Date Sampled: **04/14/25 12:10**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	35.4	0.0500	mg/L dry	1	BIE0062	05/01/25	05/29/25	EPA 6020B	
Magnesium	18.3	0.0500	"	"	"	"	"	"	
Sodium	12.8	0.0500	"	"	"	"	"	"	

Summit Scientific

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Tasman Geosciences
4725 Independence St.
Wheat Ridge CO, 80033

Project: Chevron - Wiest 28-11H6

Project Number: [none]
Project Manager: AJ Engelhardt

Reported:
06/02/25 15:54

BKG06@2-3'
2504233-13 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **04/14/25 12:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.435	0.00100	units	1	BIE0787	05/30/25	05/30/25	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/14/25 12:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	96.8		%	1	BID0827	04/15/25	04/16/25	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/14/25 12:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.417	0.0100	mmhos/cm	1	BIE0064	05/01/25	05/05/25	EPA 120.1	

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

Date Sampled: **04/14/25 12:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.70		pH Units	1	BIE0063	05/01/25	05/05/25	EPA 9045D	

Summit Scientific

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Tasman Geosciences
4725 Independence St.
Wheat Ridge CO, 80033

Project: Chevron - Wiest 28-11H6

Project Number: [none]
Project Manager: AJ Engelhardt

Reported:
06/02/25 15:54

BKG06@3-4'
2504233-14 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/14/25 12:15**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L dry	1	BID0807	04/15/25	04/17/25	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/14/25 12:15**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	4.02	0.200	mg/kg dry	1	BID0806	"	05/25/25	EPA 6020B	
Barium	49.6	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	5.86	0.400	"	"	"	"	"	"	
Lead	5.02	0.200	"	"	"	"	"	"	
Nickel	4.86	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	18.3	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by HACH M8023

Date Sampled: **04/14/25 12:15**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BID0959	04/16/25	04/17/25	Hach 8000	

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

Date Sampled: **04/14/25 12:15**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	39.9	0.0500	mg/L dry	1	BIE0062	05/01/25	05/29/25	EPA 6020B	
Magnesium	14.3	0.0500	"	"	"	"	"	"	
Sodium	18.8	0.0500	"	"	"	"	"	"	

Summit Scientific

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Tasman Geosciences
4725 Independence St.
Wheat Ridge CO, 80033

Project: Chevron - Wiest 28-11H6

Project Number: [none]
Project Manager: AJ Engelhardt

Reported:
06/02/25 15:54

BKG06@3-4'
2504233-14 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **04/14/25 12:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.650	0.00100	units	1	BIE0787	05/30/25	05/30/25	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/14/25 12:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	95.1		%	1	BID0827	04/15/25	04/16/25	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/14/25 12:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.304	0.0100	mmhos/cm	1	BIE0064	05/01/25	05/05/25	EPA 120.1	

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

Date Sampled: **04/14/25 12:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.82		pH Units	1	BIE0063	05/01/25	05/05/25	EPA 9045D	

Summit Scientific

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Tasman Geosciences
4725 Independence St.
Wheat Ridge CO, 80033

Project: Chevron - Wiest 28-11H6

Project Number: [none]
Project Manager: AJ Engelhardt

Reported:
06/02/25 15:54

BKG06@4-5'
2504233-15 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/14/25 12:20**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L dry	1	BID0807	04/15/25	04/17/25	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/14/25 12:20**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	4.01	0.200	mg/kg dry	1	BID0806	"	05/25/25	EPA 6020B	
Barium	157	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	7.42	0.400	"	"	"	"	"	"	
Lead	8.66	0.200	"	"	"	"	"	"	
Nickel	9.10	0.400	"	"	"	"	"	"	
Silver	0.0397	0.0200	"	"	"	"	"	"	
Zinc	26.3	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by HACH M8023

Date Sampled: **04/14/25 12:20**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BID0959	04/16/25	04/17/25	Hach 8000	

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

Date Sampled: **04/14/25 12:20**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	263	0.0500	mg/L dry	1	BIE0062	05/01/25	05/29/25	EPA 6020B	
Magnesium	72.0	0.0500	"	"	"	"	"	"	
Sodium	11.4	0.0500	"	"	"	"	"	"	

Summit Scientific

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Tasman Geosciences
4725 Independence St.
Wheat Ridge CO, 80033

Project: Chevron - Wiest 28-11H6

Project Number: [none]
Project Manager: AJ Engelhardt

Reported:
06/02/25 15:54

BKG06@4-5'
2504233-15 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **04/14/25 12:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.161	0.00100	units	1	BIE0787	05/30/25	05/30/25	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/14/25 12:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	88.7		%	1	BID0827	04/15/25	04/16/25	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/14/25 12:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.423	0.0100	mmhos/cm	1	BIE0064	05/01/25	05/05/25	EPA 120.1	

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

Date Sampled: **04/14/25 12:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.47		pH Units	1	BIE0063	05/01/25	05/05/25	EPA 9045D	

Summit Scientific

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Tasman Geosciences
4725 Independence St.
Wheat Ridge CO, 80033

Project: Chevron - Wiest 28-11H6

Project Number: [none]
Project Manager: AJ Engelhardt

Reported:
06/02/25 15:54

BH01/GW01
2504233-16 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

pHHT1

Date Sampled: **04/14/25 11:45**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BID0895	04/15/25	04/16/25	EPA 8260B	
Toluene	ND	1.0		"	"	"	"	"	"	
Ethylbenzene	ND	1.0		"	"	"	"	"	"	
Xylenes (total)	ND	2.0		"	"	"	"	"	"	
Naphthalene	ND	1.0		"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0		"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0		"	"	"	"	"	"	

Date Sampled: **04/14/25 11:45**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	16.6	124 %		23-173		"	"	"	"	
Surrogate: Toluene-d8	13.8	104 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	13.5	101 %		21-167		"	"	"	"	

Anions by EPA Method 300.0

Date Sampled: **04/14/25 11:45**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Chloride	55.5	0.0600		mg/L	50	BID0976	04/16/25	04/18/25	EPA 300.0	
Sulfate	2460	0.300		"	"	"	"	"	"	

Total Dissolved Solids by SM2540C

Date Sampled: **04/14/25 11:45**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Total Dissolved Solids	3610	10.0		mg/L	1	BID0929	04/16/25	04/18/25	SM2540C	

Summit Scientific

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Tasman Geosciences
4725 Independence St.
Wheat Ridge CO, 80033

Project: Chevron - Wiest 28-11H6

Project Number: [none]
Project Manager: AJ Engelhardt

Reported:
06/02/25 15:54

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BID0895 - EPA 5030 Water MS

Blank (BID0895-BLK1)

Prepared: 04/15/25 Analyzed: 04/16/25

Benzene	ND	1.0	ug/l								
Toluene	ND	1.0	"								
Ethylbenzene	ND	1.0	"								
Xylenes (total)	ND	2.0	"								
Naphthalene	ND	1.0	"								
1,2,4-Trimethylbenzene	ND	1.0	"								
1,3,5-Trimethylbenzene	ND	1.0	"								
Surrogate: 1,2-Dichloroethane-d4	15.2		"	13.3		114		23-173			
Surrogate: Toluene-d8	13.8		"	13.3		104		20-170			
Surrogate: 4-Bromofluorobenzene	9.84		"	13.3		73.8		21-167			

LCS (BID0895-BS1)

Prepared: 04/15/25 Analyzed: 04/16/25

Benzene	39.0	1.0	ug/l	33.3		117		51-132			
Toluene	37.7	1.0	"	33.3		113		51-138			
Ethylbenzene	36.5	1.0	"	33.3		109		58-146			
m,p-Xylene	68.2	2.0	"	66.7		102		57-144			
o-Xylene	33.3	1.0	"	33.3		100		53-146			
Naphthalene	29.1	1.0	"	33.3		87.3		70-130			
1,2,4-Trimethylbenzene	34.7	1.0	"	33.3		104		70-130			
1,3,5-Trimethylbenzene	35.2	1.0	"	33.3		106		70-130			
Surrogate: 1,2-Dichloroethane-d4	14.8		"	13.3		111		23-173			
Surrogate: Toluene-d8	13.8		"	13.3		104		20-170			
Surrogate: 4-Bromofluorobenzene	13.5		"	13.3		101		21-167			

LCS Dup (BID0895-BSD1)

Prepared: 04/15/25 Analyzed: 04/16/25

Benzene	38.1	1.0	ug/l	33.3		114		51-132	2.41	20	
Toluene	37.3	1.0	"	33.3		112		51-138	1.01	20	
Ethylbenzene	37.6	1.0	"	33.3		113		58-146	3.16	20	
m,p-Xylene	64.5	2.0	"	66.7		96.8		57-144	5.53	20	
o-Xylene	37.0	1.0	"	33.3		111		53-146	10.4	20	
Naphthalene	25.6	1.0	"	33.3		76.7		70-130	12.9	20	
1,2,4-Trimethylbenzene	30.0	1.0	"	33.3		90.1		70-130	14.5	20	
1,3,5-Trimethylbenzene	36.5	1.0	"	33.3		109		70-130	3.54	20	
Surrogate: 1,2-Dichloroethane-d4	14.3		"	13.3		107		23-173			
Surrogate: Toluene-d8	13.8		"	13.3		104		20-170			
Surrogate: 4-Bromofluorobenzene	13.8		"	13.3		118		21-167			

Summit Scientific

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Tasman Geosciences
4725 Independence St.
Wheat Ridge CO, 80033

Project: Chevron - Wiest 28-11H6

Project Number: [none]
Project Manager: AJ Engelhardt

Reported:
06/02/25 15:54

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

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

Batch BID0807 - EPA 3050B

Blank (BID0807-BLK1)

Prepared: 04/15/25 Analyzed: 04/17/25

Boron ND 2.00 mg/L wet

LCS (BID0807-BS1)

Prepared: 04/15/25 Analyzed: 04/17/25

Boron 5.26 2.00 mg/L wet 5.00 105 80-120

Duplicate (BID0807-DUP1)

Source: 2504228-02

Prepared: 04/15/25 Analyzed: 04/17/25

Boron 0.446 2.00 mg/L dry 0.448 0.411 20

Matrix Spike (BID0807-MS1)

Source: 2504228-02

Prepared: 04/15/25 Analyzed: 04/17/25

Boron 7.08 2.00 mg/L dry 6.09 0.448 109 75-125

Matrix Spike Dup (BID0807-MSD1)

Source: 2504228-02

Prepared: 04/15/25 Analyzed: 04/17/25

Boron 6.93 2.00 mg/L dry 6.09 0.448 106 75-125 2.25 25

Summit Scientific

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Tasman Geosciences
4725 Independence St.
Wheat Ridge CO, 80033

Project: Chevron - Wiest 28-11H6

Project Number: [none]
Project Manager: AJ Engelhardt

Reported:
06/02/25 15:54

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 BID0806 - EPA 3050B

Blank (BID0806-BLK1)

Prepared: 04/15/25 Analyzed: 05/25/25

Arsenic	ND	0.200	mg/kg wet							
Barium	ND	0.400	"							
Cadmium	ND	0.200	"							
Copper	ND	0.400	"							
Lead	ND	0.200	"							
Nickel	ND	0.400	"							
Silver	ND	0.0200	"							
Zinc	ND	0.400	"							
Selenium	ND	0.260	"							

LCS (BID0806-BS1)

Prepared: 04/15/25 Analyzed: 05/25/25

Arsenic	37.7	0.200	mg/kg wet	40.7	92.8	80-120
Barium	37.9	0.400	"	40.7	93.3	80-120
Cadmium	1.77	0.200	"	2.03	87.1	80-120
Copper	38.7	0.400	"	40.7	95.2	80-120
Lead	18.6	0.200	"	20.3	91.7	80-120
Nickel	38.6	0.400	"	40.7	94.8	80-120
Silver	1.75	0.0200	"	2.03	86.0	80-120
Zinc	38.3	0.400	"	40.7	94.3	80-120
Selenium	3.86	0.260	"	4.07	95.0	80-120

Duplicate (BID0806-DUP1)

Source: 2504233-01

Prepared: 04/15/25 Analyzed: 05/25/25

Arsenic	6.15	0.200	mg/kg dry	4.58	29.3	20	QR-04
Barium	190	0.400	"	168	12.3	20	
Cadmium	0.210	0.200	"	0.187	11.9	20	
Copper	9.90	0.400	"	10.7	8.02	20	
Lead	11.3	0.200	"	10.6	6.47	20	
Nickel	10.3	0.400	"	9.94	3.67	20	
Silver	0.0488	0.0200	"	0.0468	4.12	20	
Zinc	36.0	0.400	"	33.8	6.28	20	
Selenium	0.383	0.260	"	ND	200	20	QR-04

Summit Scientific

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Tasman Geosciences
4725 Independence St.
Wheat Ridge CO, 80033

Project: Chevron - Wiest 28-11H6

Project Number: [none]
Project Manager: AJ Engelhardt

Reported:
06/02/25 15:54

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 BID0806 - EPA 3050B

Matrix Spike (BID0806-MS1)

Source: 2504233-01

Prepared: 04/15/25 Analyzed: 05/25/25

Arsenic	40.4	0.200	mg/kg dry	50.1	4.58	71.5	75-125				QM-05
Barium	199	0.400	"	50.1	168	62.1	75-125				QM-05
Cadmium	2.54	0.200	"	2.51	0.187	94.0	75-125				
Copper	46.3	0.400	"	50.1	10.7	70.9	75-125				QM-05
Lead	34.0	0.200	"	25.1	10.6	93.5	75-125				
Nickel	45.6	0.400	"	50.1	9.94	71.2	75-125				QM-05
Silver	2.37	0.0200	"	2.51	0.0468	92.7	75-125				
Zinc	68.9	0.400	"	50.1	33.8	70.0	75-125				QM-05
Selenium	5.06	0.260	"	5.01	ND	101	75-125				

Matrix Spike Dup (BID0806-MSD1)

Source: 2504233-01

Prepared: 04/15/25 Analyzed: 05/25/25

Arsenic	39.7	0.200	mg/kg dry	50.1	4.58	70.2	75-125	1.65	25		QM-05
Barium	232	0.400	"	50.1	168	128	75-125	15.4	25		QM-05
Cadmium	2.76	0.200	"	2.51	0.187	103	75-125	8.11	25		
Copper	47.0	0.400	"	50.1	10.7	72.5	75-125	1.67	25		QM-05
Lead	35.9	0.200	"	25.1	10.6	101	75-125	5.52	25		
Nickel	45.9	0.400	"	50.1	9.94	71.8	75-125	0.702	25		QM-05
Silver	2.51	0.0200	"	2.51	0.0468	98.4	75-125	5.83	25		
Zinc	69.8	0.400	"	50.1	33.8	71.7	75-125	1.20	25		QM-05
Selenium	4.95	0.260	"	5.01	ND	98.8	75-125	2.06	25		

Summit Scientific

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Tasman Geosciences
4725 Independence St.
Wheat Ridge CO, 80033

Project: Chevron - Wiest 28-11H6

Project Number: [none]
Project Manager: AJ Engelhardt

Reported:
06/02/25 15:54

Hexavalent Chromium by HACH M8023 - Quality Control
Summit Scientific

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

Batch BID0959 - 3060A Mod

Blank (BID0959-BLK1)

Prepared: 04/16/25 Analyzed: 04/17/25

Chromium, Hexavalent ND 0.30 mg/kg wet

LCS (BID0959-BS1)

Prepared: 04/16/25 Analyzed: 04/17/25

Chromium, Hexavalent 24.5 0.30 mg/kg wet 25.5 96.0 80-120

Duplicate (BID0959-DUP1)

Source: 2504233-01

Prepared: 04/16/25 Analyzed: 04/17/25

Chromium, Hexavalent ND 0.30 mg/kg dry ND 20

Matrix Spike (BID0959-MS1)

Source: 2504233-01

Prepared: 04/16/25 Analyzed: 04/17/25

Chromium, Hexavalent 28.2 0.30 mg/kg dry 29.2 ND 96.6 75-125

Matrix Spike Dup (BID0959-MSD1)

Source: 2504233-01

Prepared: 04/16/25 Analyzed: 04/17/25

Chromium, Hexavalent 27.3 0.30 mg/kg dry 29.2 ND 93.6 75-125 3.15 20

Summit Scientific

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Tasman Geosciences
 4725 Independence St.
 Wheat Ridge CO, 80033

Project: Chevron - Wiest 28-11H6

Project Number: [none]
 Project Manager: AJ Engelhardt

Reported:
 06/02/25 15:54

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

Summit Scientific

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

Batch BIE0062 - General Preparation

Blank (BIE0062-BLK1)

Prepared: 05/01/25 Analyzed: 05/30/25

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

LCS (BIE0062-BS1)

Prepared: 05/01/25 Analyzed: 05/29/25

Calcium	6.26	0.0500	mg/L wet	5.00		125	70-130			
Magnesium	5.49	0.0500	"	5.00		110	70-130			
Sodium	5.55	0.0500	"	5.00		111	70-130			

Summit Scientific

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Tasman Geosciences
4725 Independence St.
Wheat Ridge CO, 80033

Project: Chevron - Wiest 28-11H6

Project Number: [none]
Project Manager: AJ Engelhardt

Reported:
06/02/25 15:54

Anions by EPA Method 300.0 - Quality Control
Summit Scientific

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

Batch BID0976 - General Preparation

Blank (BID0976-BLK1)

Prepared: 04/16/25 Analyzed: 04/17/25

Chloride	ND	0.0600	mg/L						
Sulfate	ND	0.300	"						

LCS (BID0976-BS1)

Prepared: 04/16/25 Analyzed: 04/17/25

Chloride	2.97	0.0600	mg/L	3.00	99.1	90-110		
Sulfate	15.1	0.300	"	15.0	100	90-110		

Duplicate (BID0976-DUP1)

Source: 2504223-01

Prepared: 04/16/25 Analyzed: 04/17/25

Chloride	239	0.0600	mg/L		244		2.16	20
Sulfate	443	0.300	"		454		2.50	20

Matrix Spike (BID0976-MS1)

Source: 2504223-01

Prepared: 04/16/25 Analyzed: 04/17/25

Chloride	365	0.0600	mg/L	150	244	80.4	80-120	
Sulfate	1060	0.300	"	750	454	80.7	80-120	

Summit Scientific

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Tasman Geosciences
 4725 Independence St.
 Wheat Ridge CO, 80033

Project: Chevron - Wiest 28-11H6

Project Number: [none]
 Project Manager: AJ Engelhardt

Reported:
 06/02/25 15:54

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

Summit Scientific

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

Batch BID0827 - General Preparation

Duplicate (BID0827-DUP1)		Source: 2504233-01		Prepared: 04/15/25 Analyzed: 04/16/25	
% Solids	82.3	%		82.5	0.186 20

Summit Scientific

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Tasman Geosciences
 4725 Independence St.
 Wheat Ridge CO, 80033

Project: Chevron - Wiest 28-11H6

Project Number: [none]
 Project Manager: AJ Engelhardt

Reported:
 06/02/25 15:54

Total Dissolved Solids by SM2540C - Quality Control

Summit Scientific

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

Batch BID0929 - General Preparation

Blank (BID0929-BLK1)

Prepared: 04/16/25 Analyzed: 04/18/25

Total Dissolved Solids ND 10.0 mg/L

Duplicate (BID0929-DUP1)

Source: 2504223-03

Prepared: 04/16/25 Analyzed: 04/18/25

Total Dissolved Solids 1360 10.0 mg/L 1350 0.738 20

Summit Scientific

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Tasman Geosciences
 4725 Independence St.
 Wheat Ridge CO, 80033

Project: Chevron - Wiest 28-11H6

Project Number: [none]
 Project Manager: AJ Engelhardt

Reported:
 06/02/25 15:54

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 BIE0064 - General Preparation

Blank (BIE0064-BLK1)

Prepared: 05/01/25 Analyzed: 05/05/25

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BIE0064-BS1)

Prepared: 05/01/25 Analyzed: 05/05/25

Specific Conductance (EC) 0.155 0.0100 mmhos/cm 0.150 104 95-105

Duplicate (BIE0064-DUP1)

Source: 2504227-01

Prepared: 05/01/25 Analyzed: 05/05/25

Specific Conductance (EC) 0.294 0.0100 mmhos/cm 0.296 0.610 20

Summit Scientific

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Tasman Geosciences
 4725 Independence St.
 Wheat Ridge CO, 80033

Project: Chevron - Wiest 28-11H6

Project Number: [none]
 Project Manager: AJ Engelhardt

Reported:
 06/02/25 15:54

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 BIE0063 - General Preparation

LCS (BIE0063-BS1)

Prepared: 05/01/25 Analyzed: 05/05/25

pH	9.17	pH Units	9.18	99.9	95-105
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Duplicate (BIE0063-DUP1)

Source: 2504227-01

Prepared: 05/01/25 Analyzed: 05/05/25

pH	8.72	pH Units	8.74	0.229	20
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Summit Scientific

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Tasman Geosciences
4725 Independence St.
Wheat Ridge CO, 80033

Project: Chevron - Wiest 28-11H6

Project Number: [none]
Project Manager: AJ Engelhardt

Reported:
06/02/25 15:54

Notes and Definitions

- QR-04 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits. Sample results were accepted based on LCS and/or LCSD recoveries and/or RPD values. Only applies to source/DUP and MS/MSD pairs.
- 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.
- pHHT1 HCl-preserved VOA vial had a pH greater than 2 and is therefore outside of acceptance range; thus, hold-times have been reduced to 7 days. Analysis was completed within allowable hold-time. Data is unaffected.
- 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