

# Summit Scientific

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4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

March 12, 2025

Bryce Goldade  
Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield, CO 80020  
RE: Chevron - Lilli N-5  
Work Order #2501031

Enclosed are the results of analyses for samples received by Summit Scientific on 01/06/25 17:44. 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 - Lilli N-5

Project Number: [none]  
Project Manager: Bryce Goldade

**Reported:**  
03/12/25 09:14

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
OB04	2501031-01	Soil	01/06/25 14:00	01/06/25 17:44
OB05	2501031-02	Soil	01/06/25 14:20	01/06/25 17:44

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.*

		<b>Send Data To:</b>	<b>Send Invoice To:</b>
Client: Noble/Tasman	Project Manager: <i>Bryce Goldard</i>	Company: <i>Noble</i>	
Address: 6855 W. 119th Ave.	E-Mail: <i>tas-chevron-4@tasman-geo.com</i>	Project Name/Location:	
City/State/Zip: Broomfield/CO/ 80020	<i>RBUEUF27@chevron.com</i>	AFE#:	
Phone: <i>937-554-518</i>	Project Name: <i>Lilli A - S</i>	PO/Billing Codes:	
Sampler Name: <i>Molly Parks</i>	Project Number:	Contact: <i>Keith McLean</i>	

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				
1	<i>OB04</i>	<i>1-6-25</i>	<i>1400</i>	<i>2</i>			<i>X</i>			<i>X</i>				<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>		SAR, EC, pH by saturated paste	
2	<i>OB05</i>	<i>1-6-25</i>	<i>1420</i>	<i>2</i>			<i>X</i>			<i>✓</i>				<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>			
3																						
4																						
5																						
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14																						
15																						

Relinquished by: <i>MP</i>	Date/Time: <i>1-6-25/1627</i>	Received by: <b>Tasman Lock Box</b>	Date/Time: <i>1-6-25/1627</i>	TAT Business Days	Field DO	Notes: <i>Base organics! PAHs Same day TAT  Rest on standard</i>
Relinquished by: <i>Tasman Lock Box</i>	Date/Time: <i>1625/1744</i>	Received by: <i>[Signature]</i>	Date/Time: <i>1625/1744</i>	Same Day <input checked="" type="checkbox"/>	Field EC	
Relinquished by:	Date/Time:	Received by:	Date/Time:	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: <i>4.9</i>	Corrected Temperature: <i>0</i>	IR gun #: <i>1</i>	HNO3 lot #:	Standard <input checked="" type="checkbox"/>	Field Turb.	

S<sub>2</sub>

Sample Receipt Checklist

S2 Work Order# 2501031

Client: Noble Terman Client Project ID: Lilli N-5-

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

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

Temp (°C) 4.9 Thermometer # 1

	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"/>	<u>CAZUE</u>
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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>same day</u>
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

1/6/25  
Date/Time

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

Project: Chevron - Lilli N-5

Project Number: [none]  
Project Manager: Bryce Goldade

**Reported:**  
03/12/25 09:14

**OB04**  
**2501031-01 (Soil)**

Summit Scientific

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

Date Sampled: **01/06/25 14:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BIA0170	01/06/25	01/06/25	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: **01/06/25 14:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0394	98.6 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0400	100 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0393	98.3 %		50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **01/06/25 14:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BIA0171	01/06/25	01/06/25	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **01/06/25 14:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	9.55	76.4 %		30-150		"	"	"	"	

**PAH by EPA Method 8270D SIM**

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Project: Chevron - Lilli N-5

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**OB04**  
**2501031-01 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **01/06/25 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BIA0274	01/08/25	01/16/25	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: **01/06/25 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0169	50.8 %	40-140		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0160	47.9 %	40-140		"	"	"	"	

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

Date Sampled: **01/06/25 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BIB0828	02/17/25	02/24/25	EPA 6020B	

**Total Metals by EPA 6020B**

Date Sampled: **01/06/25 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Chevron - Lilli N-5

Project Number: [none]  
Project Manager: Bryce Goldade

**Reported:**  
03/12/25 09:14

**OB04**  
**2501031-01 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Arsenic	3.71	0.200	mg/kg dry	1	BIB1188	02/20/25	03/06/25	EPA 6020B
Barium	263	0.400	"	"	"	"	"	"
Cadmium	0.426	0.200	"	"	"	"	"	"
Copper	4.89	0.400	"	"	"	"	"	"
Lead	12.6	0.200	"	"	"	"	"	"
Nickel	4.80	0.400	"	"	"	"	"	"
Silver	0.0373	0.0200	"	"	"	"	"	"
Zinc	19.0	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **01/06/25 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BIA0994	01/22/25	01/23/25	EPA 7196A	

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

Date Sampled: **01/06/25 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	84.0	0.0500	mg/L dry	1	BIA1151	01/24/25	01/29/25	EPA 6020B	
Magnesium	5.34	0.0500	"	"	"	"	"	"	
Sodium	5.60	0.0500	"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **01/06/25 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.160	0.00100	units	1	BIA1323	01/29/25	01/29/25	Calculation	

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

Date Sampled: **01/06/25 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Tasman Geosciences  
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Project: Chevron - Lilli N-5

Project Number: [none]  
Project Manager: Bryce Goldade

**Reported:**  
03/12/25 09:14

**OB04**  
**2501031-01 (Soil)**

**Summit Scientific**

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

% Solids	86.0	%	1	BIA1182	01/27/25	01/27/25	Calculation
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**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **01/06/25 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.194	0.0100	mmhos/cm	1	BIA1149	01/24/25	01/28/25	EPA 120.1	

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

Date Sampled: **01/06/25 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.42		pH Units	1	BIA1147	01/24/25	01/28/25	EPA 9045D	

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Project: Chevron - Lilli N-5

Project Number: [none]  
Project Manager: Bryce Goldade

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03/12/25 09:14

**OB05**  
**2501031-02 (Soil)**

**Summit Scientific**

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

Date Sampled: **01/06/25 14:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BIA0170	01/06/25	01/06/25	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: **01/06/25 14:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0428	107 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0409	102 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0434	108 %		50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **01/06/25 14:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BIA0171	01/06/25	01/06/25	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **01/06/25 14:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	10.7	85.3 %		30-150		"	"	"	"	

**PAH by EPA Method 8270D SIM**

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Project: Chevron - Lilli N-5

Project Number: [none]  
Project Manager: Bryce Goldade

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03/12/25 09:14

**OB05**  
**2501031-02 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **01/06/25 14:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BIA0274	01/08/25	01/16/25	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: **01/06/25 14:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0171	51.3 %	40-140		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0184	55.2 %	40-140		"	"	"	"	

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

Date Sampled: **01/06/25 14:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BIB0828	02/17/25	02/24/25	EPA 6020B	

**Total Metals by EPA 6020B**

Date Sampled: **01/06/25 14:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Project: Chevron - Lilli N-5

Project Number: [none]  
Project Manager: Bryce Goldade

**Reported:**  
03/12/25 09:14

**OB05**  
**2501031-02 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Arsenic	3.65	0.200	mg/kg dry	1	BIB1188	02/20/25	03/06/25	EPA 6020B
Barium	299	0.400	"	"	"	"	"	"
Cadmium	0.460	0.200	"	"	"	"	"	"
Copper	5.16	0.400	"	"	"	"	"	"
Lead	11.9	0.200	"	"	"	"	"	"
Nickel	5.05	0.400	"	"	"	"	"	"
Silver	0.0443	0.0200	"	"	"	"	"	"
Zinc	20.3	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **01/06/25 14:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BIA0994	01/22/25	01/23/25	EPA 7196A	

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

Date Sampled: **01/06/25 14:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	68.0	0.0500	mg/L dry	1	BIA1151	01/24/25	01/29/25	EPA 6020B	
Magnesium	10.1	0.0500	"	"	"	"	"	"	
Sodium	29.2	0.0500	"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **01/06/25 14:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.874	0.00100	units	1	BIA1323	01/29/25	01/29/25	Calculation	

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

Date Sampled: **01/06/25 14:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Chevron - Lilli N-5

Project Number: [none]  
Project Manager: Bryce Goldade

**Reported:**  
03/12/25 09:14

**OB05**  
**2501031-02 (Soil)**

**Summit Scientific**

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

% Solids	85.7	%	1	BIA1182	01/27/25	01/27/25	Calculation
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**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **01/06/25 14:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	<b>0.490</b>	0.0100	mmhos/cm	1	BIA1149	01/24/25	01/28/25	EPA 120.1	

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

Date Sampled: **01/06/25 14:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	<b>8.13</b>		pH Units	1	BIA1147	01/24/25	01/28/25	EPA 9045D	

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

Project: Chevron - Lilli N-5

Project Number: [none]  
Project Manager: Bryce Goldade

**Reported:**  
03/12/25 09:14

### 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 BIA0170 - EPA 5030 Soil MS

##### Blank (BIA0170-BLK1)

Prepared: 01/06/25 Analyzed: 01/07/25

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	"								
Surrogate: 1,2-Dichloroethane-d4	0.0347		"	0.0400		86.8	50-150				
Surrogate: Toluene-d8	0.0412		"	0.0400		103	50-150				
Surrogate: 4-Bromofluorobenzene	0.0403		"	0.0400		101	50-150				

##### LCS (BIA0170-BS1)

Prepared: 01/06/25 Analyzed: 01/07/25

Benzene	0.103	0.0020	mg/kg	0.100		103	70-130				
Toluene	0.0978	0.0050	"	0.100		97.8	70-130				
Ethylbenzene	0.100	0.0050	"	0.100		100	70-130				
m,p-Xylene	0.189	0.010	"	0.200		94.6	70-130				
o-Xylene	0.0948	0.0050	"	0.100		94.8	70-130				
1,2,4-Trimethylbenzene	0.0904	0.0050	"	0.100		90.4	70-130				
1,3,5-Trimethylbenzene	0.0897	0.0050	"	0.100		89.7	70-130				
Naphthalene	0.0957	0.0038	"	0.100		95.7	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.0328		"	0.0400		81.9	50-150				
Surrogate: Toluene-d8	0.0411		"	0.0400		103	50-150				
Surrogate: 4-Bromofluorobenzene	0.0392		"	0.0400		98.0	50-150				

##### Matrix Spike (BIA0170-MS1)

Source: 2501031-01

Prepared: 01/06/25 Analyzed: 01/07/25

Benzene	0.0930	0.0020	mg/kg	0.100	ND	93.0	70-130				
Toluene	0.0901	0.0050	"	0.100	ND	90.1	70-130				
Ethylbenzene	0.0894	0.0050	"	0.100	ND	89.4	70-130				
m,p-Xylene	0.168	0.010	"	0.200	ND	84.1	70-130				
o-Xylene	0.0843	0.0050	"	0.100	ND	84.3	70-130				
1,2,4-Trimethylbenzene	0.0765	0.0050	"	0.100	ND	76.5	70-130				
1,3,5-Trimethylbenzene	0.0770	0.0050	"	0.100	ND	77.0	70-130				
Naphthalene	0.0792	0.0038	"	0.100	ND	79.2	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.0349		"	0.0400		87.3	50-150				
Surrogate: Toluene-d8	0.0420		"	0.0400		105	50-150				
Surrogate: 4-Bromofluorobenzene	0.0391		"	0.0400		97.7	50-150				

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

Project: Chevron - Lilli N-5

Project Number: [none]  
Project Manager: Bryce Goldade

**Reported:**  
03/12/25 09:14

**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 BIA0170 - EPA 5030 Soil MS**

<b>Matrix Spike Dup (BIA0170-MSD1)</b>	<b>Source: 2501031-01</b>			<b>Prepared: 01/06/25 Analyzed: 01/07/25</b>						
Benzene	0.114	0.0020	mg/kg	0.100	ND	114	70-130	19.9	30	
Toluene	0.110	0.0050	"	0.100	ND	110	70-130	19.9	30	
Ethylbenzene	0.106	0.0050	"	0.100	ND	106	70-130	16.9	30	
m,p-Xylene	0.198	0.010	"	0.200	ND	98.9	70-130	16.2	30	
o-Xylene	0.0976	0.0050	"	0.100	ND	97.6	70-130	14.7	30	
1,2,4-Trimethylbenzene	0.0945	0.0050	"	0.100	ND	94.5	70-130	21.0	30	
1,3,5-Trimethylbenzene	0.0944	0.0050	"	0.100	ND	94.4	70-130	20.4	30	
Naphthalene	0.0945	0.0038	"	0.100	ND	94.5	70-130	17.5	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0389</i>		<i>"</i>	<i>0.0400</i>		<i>97.2</i>	<i>50-150</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0416</i>		<i>"</i>	<i>0.0400</i>		<i>104</i>	<i>50-150</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0403</i>		<i>"</i>	<i>0.0400</i>		<i>101</i>	<i>50-150</i>			

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6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Chevron - Lilli N-5

Project Number: [none]  
Project Manager: Bryce Goldade

**Reported:**  
03/12/25 09:14

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

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

**Batch BIA0171 - EPA 3550A**

**Blank (BIA0171-BLK1)**

Prepared: 01/06/25 Analyzed: 01/07/25

C10-C28 (DRO)	ND	50	mg/kg								
C28-C36 (ORO)	ND	50	"								
Surrogate: <i>o</i> -Terphenyl	13.3		"	12.5		107		30-150			

**LCS (BIA0171-BS1)**

Prepared: 01/06/25 Analyzed: 01/07/25

C10-C28 (DRO)	517	50	mg/kg	500		103		70-130			
Surrogate: <i>o</i> -Terphenyl	10.7		"	12.5		85.6		30-150			

**Matrix Spike (BIA0171-MS1)**

Source: 2501031-01

Prepared: 01/06/25 Analyzed: 01/07/25

C10-C28 (DRO)	511	50	mg/kg	500	47.2	92.8		70-130			
Surrogate: <i>o</i> -Terphenyl	10.4		"	12.5		83.0		30-150			

**Matrix Spike Dup (BIA0171-MSD1)**

Source: 2501031-01

Prepared: 01/06/25 Analyzed: 01/07/25

C10-C28 (DRO)	511	50	mg/kg	500	47.2	92.7		70-130	0.124	20	
Surrogate: <i>o</i> -Terphenyl	9.89		"	12.5		79.1		30-150			

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Project: Chevron - Lilli N-5

Project Number: [none]  
Project Manager: Bryce Goldade

**Reported:**  
03/12/25 09:14

**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 BIA0274 - EPA 5030 Soil MS**

**Blank (BIA0274-BLK1)**

Prepared: 01/08/25 Analyzed: 01/14/25

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	"							
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0281</i>		"	<i>0.0333</i>		<i>84.3</i>	<i>40-140</i>			
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0303</i>		"	<i>0.0333</i>		<i>90.9</i>	<i>40-140</i>			

**LCS (BIA0274-BS1)**

Prepared: 01/08/25 Analyzed: 01/15/25

Acenaphthene	0.0247	0.00500	mg/kg	0.0333		74.0	40-140			
Anthracene	0.0233	0.00500	"	0.0333		69.8	40-140			
Benzo (a) anthracene	0.0257	0.00500	"	0.0333		77.0	40-140			
Benzo (a) pyrene	0.0202	0.00500	"	0.0333		60.5	40-140			
Benzo (b) fluoranthene	0.0233	0.00500	"	0.0333		69.9	40-140			
Benzo (k) fluoranthene	0.0230	0.00500	"	0.0333		69.0	40-140			
Chrysene	0.0246	0.00500	"	0.0333		73.9	40-140			
Dibenz (a,h) anthracene	0.0254	0.00500	"	0.0333		76.3	40-140			
Fluoranthene	0.0249	0.00500	"	0.0333		74.8	40-140			
Fluorene	0.0248	0.00500	"	0.0333		74.3	40-140			
Indeno (1,2,3-cd) pyrene	0.0142	0.00500	"	0.0333		42.7	40-140			
Pyrene	0.0253	0.00500	"	0.0333		76.0	40-140			
1-Methylnaphthalene	0.0247	0.00500	"	0.0333		74.2	40-140			
2-Methylnaphthalene	0.0242	0.00500	"	0.0333		72.7	40-140			
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0248</i>		"	<i>0.0333</i>		<i>74.3</i>	<i>40-140</i>			
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0274</i>		"	<i>0.0333</i>		<i>82.1</i>	<i>40-140</i>			

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

Project: Chevron - Lilli N-5

Project Number: [none]  
Project Manager: Bryce Goldade

Reported:  
03/12/25 09:14

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 BIA0274 - EPA 5030 Soil MS

Matrix Spike (BIA0274-MS1)	Source: 2501013-01			Prepared: 01/08/25 Analyzed: 01/15/25					
Acenaphthene	0.0179	0.00500	mg/kg	0.0333	ND	53.7	40-140		
Anthracene	0.0161	0.00500	"	0.0333	ND	48.4	40-140		
Benzo (a) anthracene	0.0190	0.00500	"	0.0333	ND	57.0	40-140		
Benzo (a) pyrene	0.0140	0.00500	"	0.0333	ND	42.0	40-140		
Benzo (b) fluoranthene	0.0163	0.00500	"	0.0333	ND	48.9	40-140		
Benzo (k) fluoranthene	0.0161	0.00500	"	0.0333	ND	48.4	40-140		
Chrysene	0.0176	0.00500	"	0.0333	ND	52.9	40-140		
Dibenz (a,h) anthracene	0.0220	0.00500	"	0.0333	ND	65.9	40-140		
Fluoranthene	0.0183	0.00500	"	0.0333	ND	54.9	40-140		
Fluorene	0.0184	0.00500	"	0.0333	ND	55.2	40-140		
Indeno (1,2,3-cd) pyrene	0.0139	0.00500	"	0.0333	ND	41.8	40-140		
Pyrene	0.0190	0.00500	"	0.0333	ND	57.1	40-140		
1-Methylnaphthalene	0.0186	0.00500	"	0.0333	ND	55.7	40-140		
2-Methylnaphthalene	0.0179	0.00500	"	0.0333	ND	53.6	40-140		
Surrogate: 2-Methylnaphthalene-d10	0.0186		"	0.0333		55.8	40-140		
Surrogate: Fluoranthene-d10	0.0187		"	0.0333		56.2	40-140		

Matrix Spike Dup (BIA0274-MSD1)	Source: 2501013-01			Prepared: 01/08/25 Analyzed: 01/15/25					
Acenaphthene	0.0183	0.00500	mg/kg	0.0333	ND	54.9	40-140	2.24	30
Anthracene	0.0172	0.00500	"	0.0333	ND	51.5	40-140	6.10	30
Benzo (a) anthracene	0.0201	0.00500	"	0.0333	ND	60.4	40-140	5.83	30
Benzo (a) pyrene	0.0155	0.00500	"	0.0333	ND	46.6	40-140	10.4	30
Benzo (b) fluoranthene	0.0178	0.00500	"	0.0333	ND	53.5	40-140	8.99	30
Benzo (k) fluoranthene	0.0169	0.00500	"	0.0333	ND	50.7	40-140	4.57	30
Chrysene	0.0188	0.00500	"	0.0333	ND	56.3	40-140	6.40	30
Dibenz (a,h) anthracene	0.0223	0.00500	"	0.0333	ND	66.8	40-140	1.24	30
Fluoranthene	0.0187	0.00500	"	0.0333	ND	56.1	40-140	2.08	30
Fluorene	0.0192	0.00500	"	0.0333	ND	57.7	40-140	4.37	30
Indeno (1,2,3-cd) pyrene	0.0262	0.00500	"	0.0333	ND	78.6	40-140	61.1	30
Pyrene	0.0191	0.00500	"	0.0333	ND	57.2	40-140	0.0560	30
1-Methylnaphthalene	0.0184	0.00500	"	0.0333	ND	55.2	40-140	0.892	30
2-Methylnaphthalene	0.0178	0.00500	"	0.0333	ND	53.4	40-140	0.398	30
Surrogate: 2-Methylnaphthalene-d10	0.0183		"	0.0333		55.0	40-140		
Surrogate: Fluoranthene-d10	0.0207		"	0.0333		62.2	40-140		

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

Project: Chevron - Lilli N-5

Project Number: [none]  
Project Manager: Bryce Goldade

**Reported:**  
03/12/25 09:14

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

**Summit Scientific**

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

**Batch BIB0828 - EPA 3050B**

**Blank (BIB0828-BLK1)**

Prepared: 02/17/25 Analyzed: 02/24/25

Boron ND 2.00 mg/L

**LCS (BIB0828-BS1)**

Prepared: 02/17/25 Analyzed: 02/24/25

Boron 4.46 2.00 mg/L 5.00 89.1 80-120

**Duplicate (BIB0828-DUP1)**

Source: 2501018-01

Prepared: 02/17/25 Analyzed: 02/24/25

Boron ND 2.00 mg/L ND 20

**Matrix Spike (BIB0828-MS1)**

Source: 2501018-01

Prepared: 02/17/25 Analyzed: 02/24/25

Boron 4.73 2.00 mg/L 5.02 ND 94.2 75-125

**Matrix Spike Dup (BIB0828-MSD1)**

Source: 2501018-01

Prepared: 02/17/25 Analyzed: 02/24/25

Boron 4.79 2.00 mg/L 5.02 ND 95.4 75-125 1.22 25

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6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Chevron - Lilli N-5

Project Number: [none]  
Project Manager: Bryce Goldade

**Reported:**  
03/12/25 09:14

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

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

**Batch BIB1188 - EPA 3050B**

**Blank (BIB1188-BLK1)**

Prepared: 02/20/25 Analyzed: 03/06/25

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 (BIB1188-BS1)**

Prepared: 02/20/25 Analyzed: 03/06/25

Arsenic	36.9	0.200	mg/kg wet	41.7	88.5	80-120
Barium	41.1	0.400	"	41.7	98.6	80-120
Cadmium	1.96	0.200	"	2.08	94.1	80-120
Copper	42.2	0.400	"	41.7	101	80-120
Lead	19.4	0.200	"	20.8	93.3	80-120
Nickel	41.6	0.400	"	41.7	99.9	80-120
Silver	2.00	0.0200	"	2.08	96.1	80-120
Zinc	40.9	0.400	"	41.7	98.3	80-120
Selenium	3.72	0.260	"	4.17	89.3	80-120

**Duplicate (BIB1188-DUP1)**

Source: 2501010-20

Prepared: 02/20/25 Analyzed: 03/06/25

Arsenic	4.33	0.200	mg/kg dry	6.74	43.7	20	QR-04
Barium	30.0	0.400	"	29.6	1.20	20	
Cadmium	0.228	0.200	"	0.287	23.0	20	QR-04
Copper	10.4	0.400	"	11.0	4.80	20	
Lead	16.3	0.200	"	25.8	44.7	20	QR-04
Nickel	2.17	0.400	"	2.20	1.46	20	
Silver	0.0654	0.0200	"	0.0798	19.8	20	
Zinc	15.0	0.400	"	16.1	6.90	20	
Selenium	0.514	0.260	"	0.609	16.9	20	

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

Project: Chevron - Lilli N-5

Project Number: [none]  
Project Manager: Bryce Goldade

**Reported:**  
03/12/25 09:14

**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 BIB1188 - EPA 3050B**

<b>Matrix Spike (BIB1188-MS1)</b>	<b>Source: 2501010-20</b>			Prepared: 02/20/25		Analyzed: 03/06/25					
Arsenic	47.7	0.200	mg/kg dry	49.5	6.74	82.7	75-125				
Barium	74.6	0.400	"	49.5	29.6	90.8	75-125				
Cadmium	2.73	0.200	"	2.47	0.287	98.8	75-125				
Copper	31.6	0.400	"	49.5	11.0	41.8	75-125				QM-05
Lead	44.6	0.200	"	24.7	25.8	76.3	75-125				
Nickel	21.0	0.400	"	49.5	2.20	37.9	75-125				QM-05
Silver	2.50	0.0200	"	2.47	0.0798	97.7	75-125				
Zinc	35.8	0.400	"	49.5	16.1	39.9	75-125				QM-05
Selenium	4.35	0.260	"	4.95	0.609	75.5	75-125				

<b>Matrix Spike Dup (BIB1188-MSD1)</b>	<b>Source: 2501010-20</b>			Prepared: 02/20/25		Analyzed: 03/06/25					
Arsenic	51.7	0.200	mg/kg dry	50.3	6.74	89.3	75-125	8.11	25		
Barium	76.7	0.400	"	50.3	29.6	93.6	75-125	2.81	25		
Cadmium	2.94	0.200	"	2.52	0.287	105	75-125	7.32	25		
Copper	32.1	0.400	"	50.3	11.0	42.1	75-125	1.61	25		QM-05
Lead	47.8	0.200	"	25.2	25.8	87.5	75-125	6.77	25		
Nickel	22.7	0.400	"	50.3	2.20	40.7	75-125	7.76	25		QM-05
Silver	2.70	0.0200	"	2.52	0.0798	104	75-125	7.89	25		
Zinc	38.9	0.400	"	50.3	16.1	45.4	75-125	8.27	25		QM-05
Selenium	4.59	0.260	"	5.03	0.609	79.2	75-125	5.49	25		

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Broomfield CO, 80020

Project: Chevron - Lilli N-5

Project Number: [none]  
Project Manager: Bryce Goldade

**Reported:**  
03/12/25 09:14

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

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

**Batch BIA0994 - 3060A Mod**

<b>Blank (BIA0994-BLK1)</b>		Prepared: 01/22/25 Analyzed: 01/23/25									
Chromium, Hexavalent	ND	0.30	mg/kg wet								
<b>LCS (BIA0994-BS1)</b>		Prepared: 01/22/25 Analyzed: 01/23/25									
Chromium, Hexavalent	25.4	0.30	mg/kg wet	24.8	103	80-120					
<b>Duplicate (BIA0994-DUP1)</b>		<b>Source: 2501004-01</b>		Prepared: 01/22/25 Analyzed: 01/23/25							
Chromium, Hexavalent	ND	0.30	mg/kg dry		ND					20	
<b>Matrix Spike (BIA0994-MS1)</b>		<b>Source: 2501004-01</b>		Prepared: 01/22/25 Analyzed: 01/23/25							
Chromium, Hexavalent	24.9	0.30	mg/kg dry	25.8	ND	96.6	75-125				
<b>Matrix Spike Dup (BIA0994-MSD1)</b>		<b>Source: 2501004-01</b>		Prepared: 01/22/25 Analyzed: 01/23/25							
Chromium, Hexavalent	26.9	0.30	mg/kg dry	26.1	ND	103	75-125	7.60		20	

Summit Scientific

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

Project: Chevron - Lilli N-5

Project Number: [none]  
Project Manager: Bryce Goldade

**Reported:**  
03/12/25 09:14

**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 BIA1151 - General Preparation**

**Blank (BIA1151-BLK1)**

Prepared: 01/24/25 Analyzed: 01/29/25

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

**LCS (BIA1151-BS1)**

Prepared: 01/24/25 Analyzed: 01/29/25

Calcium	4.64	0.0500	mg/L wet	5.00	92.8	70-130				
Magnesium	5.03	0.0500	"	5.00	101	70-130				
Sodium	5.16	0.0500	"	5.00	103	70-130				

Summit Scientific

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

Project: Chevron - Lilli N-5

Project Number: [none]  
 Project Manager: Bryce Goldade

**Reported:**  
 03/12/25 09:14

**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 BIA1182 - General Preparation**

**Duplicate (BIA1182-DUP1)**

**Source: 2501023-01**

Prepared & Analyzed: 01/27/25

% Solids	91.1		%		92.3			1.34		20	
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Summit Scientific

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

Project: Chevron - Lilli N-5

Project Number: [none]  
Project Manager: Bryce Goldade

**Reported:**  
03/12/25 09:14

**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 BIA1149 - General Preparation**

**Blank (BIA1149-BLK1)**

Prepared: 01/24/25 Analyzed: 01/28/25

Specific Conductance (EC) ND 0.0100 mmhos/cm

**LCS (BIA1149-BS1)**

Prepared: 01/24/25 Analyzed: 01/28/25

Specific Conductance (EC) 1.37 0.0100 mmhos/cm 1.41 97.3 95-105

**Duplicate (BIA1149-DUP1)**

Source: 2501023-01

Prepared: 01/24/25 Analyzed: 01/28/25

Specific Conductance (EC) 0.465 0.0100 mmhos/cm 0.467 0.423 20

Summit Scientific

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

Project: Chevron - Lilli N-5

Project Number: [none]  
Project Manager: Bryce Goldade

**Reported:**  
03/12/25 09:14

**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 BIA1147 - General Preparation**

**LCS (BIA1147-BS1)**

Prepared: 01/24/25 Analyzed: 01/28/25

pH	9.14		pH Units	9.18		99.6	95-105			
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**Duplicate (BIA1147-DUP1)**

Source: 2501023-01

Prepared: 01/24/25 Analyzed: 01/28/25

pH	7.56		pH Units	7.54		0.250	20			
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Summit Scientific

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

Project: Chevron - Lilli N-5

Project Number: [none]  
Project Manager: Bryce Goldade

**Reported:**  
03/12/25 09:14

### Notes and Definitions

- QR-04 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits. Sample results were accepted based on LCS and/or LCSD recoveries and/or RPD values.
- QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. Sample results were accepted based on LCS and/or LCSD recoveries and/or RPD values.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference