

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

May 23, 2024

Jacob Whritenour
Tasman Geosciences
6855 W. 119th Ave.
Broomfield, CO 80020
RE: Noble - Baker B02-05
Work Order #2404358

Enclosed are the results of analyses for samples received by Summit Scientific on 04/22/24 18:06. 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: Noble - Baker B02-05

Project Number: [none]
Project Manager: Jacob Whritenour

Reported:
05/23/24 13:45

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS01@7'	2404358-01	Soil	04/22/24 11:07	04/22/24 18:06
BKG06@6-7'	2404358-02	Soil	04/22/24 13:30	04/22/24 18:06
BKG07@6-7'	2404358-03	Soil	04/22/24 13:40	04/22/24 18:06
BKG08@6-7'	2404358-04	Soil	04/22/24 13:50	04/22/24 18:06
BKG09@6-7'	2404358-05	Soil	04/22/24 14:00	04/22/24 18:06
BKG10@6-7'	2404358-06	Soil	04/22/24 14:10	04/22/24 18:06
SS02@7'	2404358-07	Soil	04/22/24 15:35	04/22/24 18:06
SS03@7'	2404358-08	Soil	04/22/24 15:40	04/22/24 18:06
FS01@8'	2404358-09	Soil	04/22/24 15:45	04/22/24 18:06

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

Lab ID	Page 1 of 1
2404358	

Client: Noble/Tasman	Send Data To: Project Manager: Jake Whritenour	Send Invoice To: Company: Noble/Chevron
Address: 6855 W. 119th Avenue	E-Mail: jwhritenour@tasman-geo.com	Project Name/Location: Baker B02-05
City/State/Zip: Broomfield, CO 80020		AFE#:
Phone:	Project Name: BakerB02-05	PO/Billing Codes:
Sampler Name: Kaitlin Steinfort	Project Number:	Contact: ^{mg} Keith McClan

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix			Analysis Requested							Special Instructions	
					HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other	915-VOC	915-PAH	915-TPH	pH, EC, SAR	Boron	915-Metals		arsenic, barium
1	JSD1 @ 7'	04-22-24	1107	2			X			X				X	X	X	X	X	X	
2	BKG01 @ 6'-7'		1330				X			X				X	X	X	X	X	X	
3	BKG07 @ 6'-7'		1340				X			X				X	X	X	X	X	X	
4	BKG08 @ 6'-7'		1350				X			X				X	X	X	X	X	X	
5	BKG09 @ 6'-7'		1400				X			X				X	X	X	X	X	X	
6	BKG10 @ 6'-7'		1410				X			X				X	X	X	X	X	X	
7	JSD2 @ 7'		1535				X			X				X	X	X	X	X	X	
8	JSD3 @ 7'		1540				X			X				X	X	X	X	X	X	
9	FS01 @ 8'		1545				X			X				X	X	X	X	X	X	
10																				
11																				
12																				
13																				
14																				
15																				

Relinquished by: <i>K Steinfort</i>	Date/Time: 04-22-24 1730	Received by: <i>Tasman lockbox</i>	Date/Time: 04-22-24 1730	TAT Business Days	Field DO	Notes:
Relinquished by: <i>Tasman lockbox</i>	Date/Time: 4/22/24 1500	Received by: <i>[Signature]</i>	Date/Time: 4/22/24 1500	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: 7.9	Corrected Temperature: 0	IR gun #:	1	Standard	Field Turb.	
					HNO3 lot #:	

S₂

Sample Receipt Checklist

S2 Work Order# 2404358

Client: Noble Gasman

Client Project ID: Baker B02-05

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

Airbill #: _____

Matrix (Check all that apply)

Air

Soil/Solid

Water

Other

Temp (°C)

7.9

Thermometer #

1

	Yes	No	N/A	Comments (if any)
If samples require cooling, is the temperature < 6°C? ⁽¹⁾ NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If custody seals are present, are they intact? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>on JOE</u>
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 ²⁺), Hexavalent Chromium (Cr ⁶⁺ , Cr VI), COD/BOD, Total Coliform, E. Coli, Total Residual Chlorine (TRC), Dissolved Oxygen	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out Completely? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling)? ⁽¹⁾ Note the type of preservative in the comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2? ⁽¹⁾ Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any):				

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

AS

Custodian Printed Name

4/22/24
Date/Time



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

Project: Noble - Baker B02-05

Project Number: [none]
Project Manager: Jacob Whritenour

Reported:
05/23/24 13:45

SS01@7'
2404358-01 (Soil)

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Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/22/24 11:07**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BHD0785	04/22/24	04/22/24	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **04/22/24 11:07**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0565	141 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0363	90.7 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0415	104 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/22/24 11:07**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BHD0787	04/22/24	04/22/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/22/24 11:07**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	8.54	68.3 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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SS01@7'
2404358-01 (Soil)

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PAH by EPA Method 8270D SIM

Date Sampled: **04/22/24 11:07**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthylene	ND	0.330	mg/kg	1	BHD0788	04/23/24	04/23/24	EPA 8270D SIM	
Acenaphthene	ND	0.00500	"	"	"	"	"	"	"
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: **04/22/24 11:07**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0229	68.8 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0237	71.1 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/22/24 11:07**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHD0795	04/23/24	05/17/24	EPA 6020B	

Total Metals by EPA 6020B

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Reported:
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SS01@7'
2404358-01 (Soil)

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Total Metals by EPA 6020B

Date Sampled: **04/22/24 11:07**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	6.56	0.200	mg/kg dry	1	BHD1064	04/30/24	05/23/24	EPA 6020B	
Barium	19.8	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

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

Date Sampled: **04/22/24 11:07**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	38.5	0.0500	mg/L dry	1	BHD1111	04/30/24	05/02/24	EPA 6020B	
Magnesium	11.4	0.0500	"	"	"	"	"	"	
Sodium	14.7	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **04/22/24 11:07**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	0.535	0.00100	units	1	BHE0098	05/03/24	05/03/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/22/24 11:07**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	80.2		%	1	BHD0794	04/23/24	04/23/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/22/24 11:07**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Specific Conductance (EC)	0.410	0.0100	mmhos/cm	1	BHD1112	04/30/24	05/01/24	EPA 120.1	

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Reported:
 05/23/24 13:45

SS01@7'
2404358-01 (Soil)

Summit Scientific

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

Date Sampled: **04/22/24 11:07**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	8.09		pH Units	1	BHD1113	04/30/24	05/01/24	EPA 9045D	

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Project: Noble - Baker B02-05

Project Number: [none]
Project Manager: Jacob Whritenour

Reported:
05/23/24 13:45

BKG06@6-7'
2404358-02 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/22/24 13:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHD0795	04/23/24	05/17/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/22/24 13:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	4.90	0.200	mg/kg dry	1	BHD1064	04/30/24	05/23/24	EPA 6020B	
Barium	545	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

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

Date Sampled: **04/22/24 13:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	54.3	0.0500	mg/L dry	1	BHD1111	04/30/24	05/02/24	EPA 6020B	
Magnesium	25.3	0.0500	"	"	"	"	"	"	
Sodium	36.7	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **04/22/24 13:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	1.03	0.00100	units	1	BHE0098	05/03/24	05/03/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/22/24 13:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	85.1		%	1	BHD0794	04/23/24	04/23/24	Calculation	

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Project: Noble - Baker B02-05

Project Number: [none]
Project Manager: Jacob Whritenour

Reported:
05/23/24 13:45

BKG06@6-7'
2404358-02 (Soil)

Summit Scientific

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/22/24 13:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Specific Conductance (EC)	0.624	0.0100	mmhos/cm	1	BHD1112	04/30/24	05/01/24	EPA 120.1	

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

Date Sampled: **04/22/24 13:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	8.28		pH Units	1	BHD1113	04/30/24	05/01/24	EPA 9045D	

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Project: Noble - Baker B02-05

Project Number: [none]
Project Manager: Jacob Whritenour

Reported:
05/23/24 13:45

BKG07@6-7'
2404358-03 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/22/24 13:40**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHD0795	04/23/24	05/17/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/22/24 13:40**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	10.9	0.200	mg/kg dry	1	BHD1064	04/30/24	05/23/24	EPA 6020B	
Barium	101	0.400	"	"	"	"	"	"	
Selenium	0.300	0.260	"	"	"	"	"	"	

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

Date Sampled: **04/22/24 13:40**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	59.6	0.0500	mg/L dry	1	BHD1111	04/30/24	05/02/24	EPA 6020B	
Magnesium	32.4	0.0500	"	"	"	"	"	"	
Sodium	40.5	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **04/22/24 13:40**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	1.05	0.00100	units	1	BHE0098	05/03/24	05/03/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/22/24 13:40**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	81.1		%	1	BHD0794	04/23/24	04/23/24	Calculation	

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Reported:
05/23/24 13:45

BKG07@6-7'
2404358-03 (Soil)

Summit Scientific

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/22/24 13:40**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Specific Conductance (EC)	0.706	0.0100	mmhos/cm	1	BHD1112	04/30/24	05/01/24	EPA 120.1	

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

Date Sampled: **04/22/24 13:40**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	8.32		pH Units	1	BHD1113	04/30/24	05/01/24	EPA 9045D	

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Project: Noble - Baker B02-05

Project Number: [none]
Project Manager: Jacob Whritenour

Reported:
05/23/24 13:45

BKG08@6-7'
2404358-04 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/22/24 13:50**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHD0795	04/23/24	05/17/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/22/24 13:50**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	5.95	0.200	mg/kg dry	1	BHD1064	04/30/24	05/23/24	EPA 6020B	
Barium	92.3	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

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

Date Sampled: **04/22/24 13:50**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	142	0.0500	mg/L dry	1	BHD1111	04/30/24	05/02/24	EPA 6020B	
Magnesium	71.5	0.0500	"	"	"	"	"	"	
Sodium	219	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **04/22/24 13:50**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	3.74	0.00100	units	1	BHE0098	05/03/24	05/03/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/22/24 13:50**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	82.2		%	1	BHD0794	04/23/24	04/23/24	Calculation	

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Project: Noble - Baker B02-05

Project Number: [none]
Project Manager: Jacob Whritenour

Reported:
05/23/24 13:45

BKG08@6-7'
2404358-04 (Soil)

Summit Scientific

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/22/24 13:50**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Specific Conductance (EC)	2.22	0.0100		mmhos/cm	1	BHD1112	04/30/24	05/01/24	EPA 120.1	

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

Date Sampled: **04/22/24 13:50**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	8.07			pH Units	1	BHD1113	04/30/24	05/01/24	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
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Noble - Baker B02-05

Project Number: [none]
Project Manager: Jacob Whritenour

Reported:
05/23/24 13:45

BKG09@6-7'
2404358-05 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/22/24 14:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHD0795	04/23/24	05/17/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/22/24 14:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	7.26	0.200	mg/kg dry	1	BHD1064	04/30/24	05/23/24	EPA 6020B	
Barium	85.0	0.400	"	"	"	"	"	"	
Selenium	0.312	0.260	"	"	"	"	"	"	

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

Date Sampled: **04/22/24 14:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	59.0	0.0500	mg/L dry	1	BHD1111	04/30/24	05/02/24	EPA 6020B	
Magnesium	33.5	0.0500	"	"	"	"	"	"	
Sodium	135	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **04/22/24 14:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	3.48	0.00100	units	1	BHE0098	05/03/24	05/03/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/22/24 14:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	79.9		%	1	BHD0794	04/23/24	04/23/24	Calculation	

Summit Scientific

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

Project: Noble - Baker B02-05

Project Number: [none]
Project Manager: Jacob Whritenour

Reported:
05/23/24 13:45

BKG09@6-7'
2404358-05 (Soil)

Summit Scientific

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/22/24 14:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Specific Conductance (EC)	1.38	0.0100	mmhos/cm	1	BHD1112	04/30/24	05/01/24	EPA 120.1	

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

Date Sampled: **04/22/24 14:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	8.16		pH Units	1	BHD1113	04/30/24	05/01/24	EPA 9045D	

Summit Scientific

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

Project: Noble - Baker B02-05

Project Number: [none]
Project Manager: Jacob Whritenour

Reported:
05/23/24 13:45

BKG10@6-7'
2404358-06 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/22/24 14:10**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Boron	ND	2.00		mg/L	1	BHD0795	04/23/24	05/17/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/22/24 14:10**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Arsenic	7.79	0.200		mg/kg dry	1	BHD1064	04/30/24	05/23/24	EPA 6020B	
Barium	161	0.400		"	"	"	"	"	"	
Selenium	ND	0.260		"	"	"	"	"	"	

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

Date Sampled: **04/22/24 14:10**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Calcium	46.8	0.0500		mg/L dry	1	BHD1111	04/30/24	05/02/24	EPA 6020B	
Magnesium	8.71	0.0500		"	"	"	"	"	"	
Sodium	13.5	0.0500		"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **04/22/24 14:10**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Sodium Adsorption Ratio	0.475	0.00100		units	1	BHE0098	05/03/24	05/03/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/22/24 14:10**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
% Solids	80.9			%	1	BHD0794	04/23/24	04/23/24	Calculation	

Summit Scientific

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

Project: Noble - Baker B02-05

Project Number: [none]
Project Manager: Jacob Whritenour

Reported:
05/23/24 13:45

BKG10@6-7'
2404358-06 (Soil)

Summit Scientific

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/22/24 14:10**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Specific Conductance (EC)	0.283	0.0100	mmhos/cm	1	BHD1112	04/30/24	05/01/24	EPA 120.1	

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

Date Sampled: **04/22/24 14:10**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	8.23		pH Units	1	BHD1113	04/30/24	05/01/24	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
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Noble - Baker B02-05

Project Number: [none]
Project Manager: Jacob Whritenour

Reported:
05/23/24 13:45

SS02@7'
2404358-07 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/22/24 15:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BHD0785	04/22/24	04/22/24	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **04/22/24 15:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0509	127 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0361	90.2 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0405	101 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/22/24 15:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BHD0787	04/22/24	04/22/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/22/24 15:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	8.72	69.7 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: Noble - Baker B02-05

Project Number: [none]
Project Manager: Jacob Whritenour

Reported:
05/23/24 13:45

SS02@7'
2404358-07 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/22/24 15:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthylene	ND	0.330	mg/kg	1	BHD0788	04/23/24	04/23/24	EPA 8270D SIM	
Acenaphthene	ND	0.00500	"	"	"	"	"	"	
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: **04/22/24 15:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0232	69.7 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0256	76.9 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/22/24 15:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHD0795	04/23/24	05/17/24	EPA 6020B	

Total Metals by EPA 6020B

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
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Noble - Baker B02-05

Project Number: [none]
Project Manager: Jacob Whritenour

Reported:
05/23/24 13:45

SS02@7'
2404358-07 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **04/22/24 15:35**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	5.60	0.200	mg/kg dry	1	BHD1064	04/30/24	05/23/24	EPA 6020B	
Barium	90.6	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

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

Date Sampled: **04/22/24 15:35**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	79.2	0.0500	mg/L dry	1	BHD1111	04/30/24	05/02/24	EPA 6020B	
Magnesium	29.3	0.0500	"	"	"	"	"	"	
Sodium	37.0	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **04/22/24 15:35**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	0.902	0.00100	units	1	BHE0098	05/03/24	05/03/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/22/24 15:35**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	77.0		%	1	BHD0794	04/23/24	04/23/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/22/24 15:35**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Specific Conductance (EC)	0.753	0.0100	mmhos/cm	1	BHD1112	04/30/24	05/01/24	EPA 120.1	

Summit Scientific

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

Project: Noble - Baker B02-05

Project Number: [none]
Project Manager: Jacob Whritenour

Reported:
05/23/24 13:45

SS02@7'
2404358-07 (Soil)

Summit Scientific

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

Date Sampled: **04/22/24 15:35**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	7.81		pH Units	1	BHD1113	04/30/24	05/01/24	EPA 9045D	

Summit Scientific

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

Project: Noble - Baker B02-05

Project Number: [none]
Project Manager: Jacob Whritenour

Reported:
05/23/24 13:45

SS03@7'
2404358-08 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/22/24 15:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BHD0785	04/22/24	04/22/24	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **04/22/24 15:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0502	125 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0367	91.7 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0385	96.3 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/22/24 15:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BHD0787	04/22/24	04/22/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/22/24 15:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	8.97	71.8 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Noble - Baker B02-05

Project Number: [none]
Project Manager: Jacob Whritenour

Reported:
05/23/24 13:45

SS03@7'
2404358-08 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/22/24 15:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthylene	ND	0.330	mg/kg	1	BHD0788	04/23/24	04/23/24	EPA 8270D SIM	
Acenaphthene	ND	0.00500	"	"	"	"	"	"	
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: **04/22/24 15:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0261	78.3 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0286	85.7 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/22/24 15:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHD0795	04/23/24	05/17/24	EPA 6020B	

Total Metals by EPA 6020B

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
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Noble - Baker B02-05

Project Number: [none]
Project Manager: Jacob Whritenour

Reported:
05/23/24 13:45

SS03@7'
2404358-08 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **04/22/24 15:40**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	6.64	0.200	mg/kg dry	1	BHD1064	04/30/24	05/23/24	EPA 6020B	
Barium	111	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

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

Date Sampled: **04/22/24 15:40**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	29.8	0.0500	mg/L dry	1	BHD1111	04/30/24	05/02/24	EPA 6020B	
Magnesium	6.11	0.0500	"	"	"	"	"	"	
Sodium	10.3	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **04/22/24 15:40**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	0.449	0.00100	units	1	BHE0098	05/03/24	05/03/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/22/24 15:40**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	81.5		%	1	BHD0794	04/23/24	04/23/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/22/24 15:40**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Specific Conductance (EC)	0.294	0.0100	mmhos/cm	1	BHD1112	04/30/24	05/01/24	EPA 120.1	

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
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Noble - Baker B02-05

Project Number: [none]
Project Manager: Jacob Whritenour

Reported:
05/23/24 13:45

SS03@7'
2404358-08 (Soil)

Summit Scientific

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

Date Sampled: **04/22/24 15:40**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	8.10		pH Units	1	BHD1113	04/30/24	05/01/24	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
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Noble - Baker B02-05

Project Number: [none]
Project Manager: Jacob Whritenour

Reported:
05/23/24 13:45

FS01@8'
2404358-09 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/22/24 15:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BHD0785	04/22/24	04/22/24	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **04/22/24 15:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0521	130 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0362	90.5 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0392	98.1 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/22/24 15:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BHD0787	04/22/24	04/22/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/22/24 15:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	7.03	56.2 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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

Project: Noble - Baker B02-05

Project Number: [none]
Project Manager: Jacob Whritenour

Reported:
05/23/24 13:45

FS01@8'
2404358-09 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/22/24 15:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthylene	ND	0.330	mg/kg	1	BHD0788	04/23/24	04/23/24	EPA 8270D SIM	
Acenaphthene	ND	0.00500	"	"	"	"	"	"	
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: **04/22/24 15:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0239	71.8 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0264	79.3 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/22/24 15:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHD0795	04/23/24	05/17/24	EPA 6020B	

Total Metals by EPA 6020B

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

Project: Noble - Baker B02-05

Project Number: [none]
Project Manager: Jacob Whritenour

Reported:
05/23/24 13:45

FS01@8'
2404358-09 (Soil)

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Total Metals by EPA 6020B

Date Sampled: **04/22/24 15:45**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	8.60	0.200	mg/kg dry	1	BHD1064	04/30/24	05/23/24	EPA 6020B	
Barium	21.0	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

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

Date Sampled: **04/22/24 15:45**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	17.9	0.0500	mg/L dry	1	BHD1111	04/30/24	05/02/24	EPA 6020B	
Magnesium	7.59	0.0500	"	"	"	"	"	"	
Sodium	9.62	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **04/22/24 15:45**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	0.480	0.00100	units	1	BHE0098	05/03/24	05/03/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/22/24 15:45**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	80.2		%	1	BHD0794	04/23/24	04/23/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/22/24 15:45**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Specific Conductance (EC)	0.290	0.0100	mmhos/cm	1	BHD1112	04/30/24	05/01/24	EPA 120.1	

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Project: Noble - Baker B02-05

Project Number: [none]
 Project Manager: Jacob Whritenour

Reported:
 05/23/24 13:45

FS01@8'
2404358-09 (Soil)

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

Date Sampled: **04/22/24 15:45**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	8.18		pH Units	1	BHD1113	04/30/24	05/01/24	EPA 9045D	

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Project: Noble - Baker B02-05

Project Number: [none]
Project Manager: Jacob Whritenour

Reported:
05/23/24 13:45

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 BHD0785 - EPA 5030 Soil MS

Blank (BHD0785-BLK1)

Prepared: 04/22/24 Analyzed: 04/23/24

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
1,2,4-Trimethylbenzene	ND	0.0050	"							
1,3,5-Trimethylbenzene	ND	0.0050	"							
Naphthalene	ND	0.0038	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0454		"	0.0400		113	50-150			
Surrogate: Toluene-d8	0.0389		"	0.0400		97.2	50-150			
Surrogate: 4-Bromofluorobenzene	0.0396		"	0.0400		99.1	50-150			

LCS (BHD0785-BS1)

Prepared: 04/22/24 Analyzed: 04/23/24

Benzene	0.0793	0.0020	mg/kg	0.100		79.3	70-130			
Toluene	0.0948	0.0050	"	0.100		94.8	70-130			
Ethylbenzene	0.0954	0.0050	"	0.100		95.4	70-130			
m,p-Xylene	0.182	0.010	"	0.200		90.9	70-130			
o-Xylene	0.0901	0.0050	"	0.100		90.1	70-130			
1,2,4-Trimethylbenzene	0.0903	0.0050	"	0.100		90.3	70-130			
1,3,5-Trimethylbenzene	0.0911	0.0050	"	0.100		91.1	70-130			
Naphthalene	0.0890	0.0038	"	0.100		89.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0424		"	0.0400		106	50-150			
Surrogate: Toluene-d8	0.0412		"	0.0400		103	50-150			
Surrogate: 4-Bromofluorobenzene	0.0395		"	0.0400		98.7	50-150			

Matrix Spike (BHD0785-MS1)

Source: 2404351-01

Prepared: 04/22/24 Analyzed: 04/23/24

Benzene	0.0731	0.0020	mg/kg	0.100	ND	73.1	70-130			
Toluene	0.0695	0.0050	"	0.100	ND	69.5	70-130			QM-07
Ethylbenzene	0.0581	0.0050	"	0.100	ND	58.1	70-130			QM-07
m,p-Xylene	0.124	0.010	"	0.200	ND	62.0	70-130			QM-07
o-Xylene	0.0646	0.0050	"	0.100	ND	64.6	70-130			QM-07
1,2,4-Trimethylbenzene	0.0571	0.0050	"	0.100	0.00744	49.6	70-130			QM-07
1,3,5-Trimethylbenzene	0.0621	0.0050	"	0.100	ND	62.1	70-130			QM-07
Naphthalene	0.0448	0.0038	"	0.100	ND	44.8	70-130			QM-07
Surrogate: 1,2-Dichloroethane-d4	0.0362		"	0.0400		90.4	50-150			
Surrogate: Toluene-d8	0.0392		"	0.0400		97.9	50-150			
Surrogate: 4-Bromofluorobenzene	0.0398		"	0.0400		99.5	50-150			

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Project: Noble - Baker B02-05

Project Number: [none]
Project Manager: Jacob Whritenour

Reported:
05/23/24 13:45

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 BHD0785 - EPA 5030 Soil MS

Matrix Spike Dup (BHD0785-MSD1)	Source: 2404351-01			Prepared: 04/22/24 Analyzed: 04/23/24						
Benzene	0.0692	0.0020	mg/kg	0.100	ND	69.2	70-130	5.56	30	QM-07
Toluene	0.0659	0.0050	"	0.100	ND	65.9	70-130	5.32	30	QM-07
Ethylbenzene	0.0534	0.0050	"	0.100	ND	53.4	70-130	8.45	30	QM-07
m,p-Xylene	0.116	0.010	"	0.200	ND	58.0	70-130	6.52	30	QM-07
o-Xylene	0.0620	0.0050	"	0.100	ND	62.0	70-130	4.17	30	QM-07
1,2,4-Trimethylbenzene	0.0509	0.0050	"	0.100	0.00744	43.5	70-130	11.3	30	QM-07
1,3,5-Trimethylbenzene	0.0572	0.0050	"	0.100	ND	57.2	70-130	8.20	30	QM-07
Naphthalene	0.0434	0.0038	"	0.100	ND	43.4	70-130	3.19	30	QM-07
Surrogate: 1,2-Dichloroethane-d4	0.0362		"	0.0400		90.4	50-150			
Surrogate: Toluene-d8	0.0391		"	0.0400		97.6	50-150			
Surrogate: 4-Bromofluorobenzene	0.0395		"	0.0400		98.7	50-150			

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Project: Noble - Baker B02-05

Project Number: [none]
Project Manager: Jacob Whritenour

Reported:
05/23/24 13:45

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 BHD0787 - EPA 3550A

Blank (BHD0787-BLK1)

Prepared: 04/22/24 Analyzed: 04/23/24

C10-C28 (DRO)	ND	50	mg/kg								
C28-C36 (ORO)	ND	50	"								
Surrogate: <i>o</i> -Terphenyl	13.1		"	12.5		105		30-150			

LCS (BHD0787-BS1)

Prepared: 04/22/24 Analyzed: 04/23/24

C10-C28 (DRO)	532	50	mg/kg	500		106		70-130			
Surrogate: <i>o</i> -Terphenyl	13.0		"	12.5		104		30-150			

Matrix Spike (BHD0787-MS1)

Source: 2404358-01

Prepared: 04/22/24 Analyzed: 04/23/24

C10-C28 (DRO)	499	50	mg/kg	500	16.0	96.7		70-130			
Surrogate: <i>o</i> -Terphenyl	9.93		"	12.5		79.4		30-150			

Matrix Spike Dup (BHD0787-MSD1)

Source: 2404358-01

Prepared: 04/22/24 Analyzed: 04/23/24

C10-C28 (DRO)	550	50	mg/kg	500	16.0	107		70-130	9.65	20	
Surrogate: <i>o</i> -Terphenyl	8.79		"	12.5		70.3		30-150			

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Project: Noble - Baker B02-05

Project Number: [none]
Project Manager: Jacob Whritenour

Reported:
05/23/24 13:45

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 BHD0788 - EPA 5030 Soil MS

Blank (BHD0788-BLK1)

Prepared & Analyzed: 04/23/24

Acenaphthylene	ND	0.330	mg/kg							
Acenaphthene	ND	0.00500	"							
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>0.0357</i>		<i>"</i>	<i>0.0333</i>		<i>107</i>		<i>40-150</i>		
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0356</i>		<i>"</i>	<i>0.0333</i>		<i>107</i>		<i>40-150</i>		

LCS (BHD0788-BS1)

Prepared & Analyzed: 04/23/24

Acenaphthylene	0.0362	0.330	mg/kg	0.0333	109	30-120
Acenaphthene	0.0385	0.00500	"	0.0333	115	31-137
Anthracene	0.0370	0.00500	"	0.0333	111	30-120
Benzo (a) anthracene	0.0333	0.00500	"	0.0333	99.8	30-120
Benzo (a) pyrene	0.0354	0.00500	"	0.0333	106	30-120
Benzo (b) fluoranthene	0.0373	0.00500	"	0.0333	112	30-120
Benzo (k) fluoranthene	0.0342	0.00500	"	0.0333	103	30-120
Chrysene	0.0394	0.00500	"	0.0333	118	30-120
Dibenz (a,h) anthracene	0.0304	0.00500	"	0.0333	91.1	30-120
Fluoranthene	0.0372	0.00500	"	0.0333	112	30-120
Fluorene	0.0350	0.00500	"	0.0333	105	30-120
Indeno (1,2,3-cd) pyrene	0.0337	0.00500	"	0.0333	101	30-120
Pyrene	0.0326	0.00500	"	0.0333	97.8	35-142
1-Methylnaphthalene	0.0371	0.00500	"	0.0333	111	35-142
2-Methylnaphthalene	0.0374	0.00500	"	0.0333	112	35-142
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0377</i>		<i>"</i>	<i>0.0333</i>	<i>113</i>	<i>40-150</i>
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0367</i>		<i>"</i>	<i>0.0333</i>	<i>110</i>	<i>40-150</i>

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6855 W. 119th Ave.
Broomfield CO, 80020

Project: Noble - Baker B02-05

Project Number: [none]
Project Manager: Jacob Whritenour

Reported:
05/23/24 13:45

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 BHD0788 - EPA 5030 Soil MS

Matrix Spike (BHD0788-MS1)	Source: 2404358-01			Prepared & Analyzed: 04/23/24						
Acenaphthylene	0.0178	0.330	mg/kg	0.0333	ND	53.4	15-130			
Acenaphthene	0.0163	0.00500	"	0.0333	ND	48.8	31-137			
Anthracene	0.0153	0.00500	"	0.0333	ND	45.9	30-120			
Benzo (a) anthracene	0.0155	0.00500	"	0.0333	ND	46.6	30-120			
Benzo (a) pyrene	0.0150	0.00500	"	0.0333	ND	45.0	30-120			
Benzo (b) fluoranthene	0.0164	0.00500	"	0.0333	ND	49.3	30-120			
Benzo (k) fluoranthene	0.0137	0.00500	"	0.0333	ND	41.2	30-120			
Chrysene	0.0174	0.00500	"	0.0333	ND	52.2	30-120			
Dibenz (a,h) anthracene	0.0295	0.00500	"	0.0333	ND	88.4	30-120			
Fluoranthene	0.0146	0.00500	"	0.0333	0.000928	40.9	30-120			
Fluorene	0.0156	0.00500	"	0.0333	ND	46.9	30-120			
Indeno (1,2,3-cd) pyrene	0.0251	0.00500	"	0.0333	ND	75.2	30-120			
Pyrene	0.0248	0.00500	"	0.0333	ND	74.4	35-142			
1-Methylnaphthalene	0.0152	0.00500	"	0.0333	ND	45.7	15-130			
2-Methylnaphthalene	0.0148	0.00500	"	0.0333	ND	44.3	15-130			
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0155</i>		<i>"</i>	<i>0.0333</i>		<i>46.5</i>	<i>40-150</i>			
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0154</i>		<i>"</i>	<i>0.0333</i>		<i>46.1</i>	<i>40-150</i>			

Matrix Spike Dup (BHD0788-MSD1)	Source: 2404358-01			Prepared & Analyzed: 04/23/24						
Acenaphthylene	0.0204	0.330	mg/kg	0.0333	ND	61.1	15-130	13.4	50	
Acenaphthene	0.0188	0.00500	"	0.0333	ND	56.3	31-137	14.3	30	
Anthracene	0.0175	0.00500	"	0.0333	ND	52.4	30-120	13.1	30	
Benzo (a) anthracene	0.0176	0.00500	"	0.0333	ND	52.9	30-120	12.8	30	
Benzo (a) pyrene	0.0163	0.00500	"	0.0333	ND	48.8	30-120	8.08	30	
Benzo (b) fluoranthene	0.0175	0.00500	"	0.0333	ND	52.5	30-120	6.23	30	
Benzo (k) fluoranthene	0.0149	0.00500	"	0.0333	ND	44.7	30-120	8.01	30	
Chrysene	0.0193	0.00500	"	0.0333	ND	57.9	30-120	10.2	30	
Dibenz (a,h) anthracene	0.0235	0.00500	"	0.0333	ND	70.4	30-120	22.6	30	
Fluoranthene	0.0167	0.00500	"	0.0333	0.000928	47.2	30-120	13.4	30	
Fluorene	0.0181	0.00500	"	0.0333	ND	54.2	30-120	14.5	30	
Indeno (1,2,3-cd) pyrene	0.0307	0.00500	"	0.0333	ND	92.2	30-120	20.3	30	
Pyrene	0.0226	0.00500	"	0.0333	ND	67.8	35-142	9.26	30	
1-Methylnaphthalene	0.0183	0.00500	"	0.0333	ND	55.0	15-130	18.4	50	
2-Methylnaphthalene	0.0184	0.00500	"	0.0333	ND	55.1	15-130	21.6	50	
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0190</i>		<i>"</i>	<i>0.0333</i>		<i>57.0</i>	<i>40-150</i>			
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0178</i>		<i>"</i>	<i>0.0333</i>		<i>53.4</i>	<i>40-150</i>			

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

Project: Noble - Baker B02-05

Project Number: [none]
Project Manager: Jacob Whritenour

Reported:
05/23/24 13:45

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 BHD0795 - EPA 3050B

Blank (BHD0795-BLK1)

Prepared: 04/23/24 Analyzed: 05/17/24

Boron ND 2.00 mg/L

LCS (BHD0795-BS1)

Prepared: 04/23/24 Analyzed: 05/17/24

Boron 4.55 2.00 mg/L 5.00 90.9 80-120

Duplicate (BHD0795-DUP1)

Source: 2404340-01

Prepared: 04/23/24 Analyzed: 05/17/24

Boron 0.480 2.00 mg/L 0.540 11.8 20

Matrix Spike (BHD0795-MS1)

Source: 2404340-01

Prepared: 04/23/24 Analyzed: 05/17/24

Boron 5.43 2.00 mg/L 5.00 0.540 97.8 75-125

Matrix Spike Dup (BHD0795-MSD1)

Source: 2404340-01

Prepared: 04/23/24 Analyzed: 05/17/24

Boron 5.48 2.00 mg/L 5.00 0.540 98.9 75-125 1.01 25

Summit Scientific

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

Project: Noble - Baker B02-05

Project Number: [none]
Project Manager: Jacob Whritenour

Reported:
05/23/24 13:45

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 BHD1064 - EPA 3050B

Blank (BHD1064-BLK1)

Prepared: 04/30/24 Analyzed: 05/23/24

Arsenic	ND	0.200	mg/kg wet							
Barium	ND	0.400	"							
Selenium	ND	0.260	"							

LCS (BHD1064-BS1)

Prepared: 04/30/24 Analyzed: 05/23/24

Arsenic	39.9	0.200	mg/kg wet	40.0		99.7	80-120			
Barium	38.3	0.400	"	40.0		95.6	80-120			
Selenium	3.78	0.260	"	4.00		94.6	80-120			

Duplicate (BHD1064-DUP1)

Source: 2404358-01

Prepared: 04/30/24 Analyzed: 05/23/24

Arsenic	5.90	0.181	mg/kg dry		6.56			10.7	20	
Barium	16.5	0.362	"		19.8			18.2	20	
Selenium	ND	0.236	"		ND				20	

Matrix Spike (BHD1064-MS1)

Source: 2404358-01

Prepared: 04/30/24 Analyzed: 05/23/24

Arsenic	46.8	0.200	mg/kg dry	46.2	6.56	87.1	75-125			
Barium	58.8	0.400	"	46.2	19.8	84.3	75-125			
Selenium	3.59	0.260	"	4.62	ND	77.6	75-125			

Matrix Spike Dup (BHD1064-MSD1)

Source: 2404358-01

Prepared: 04/30/24 Analyzed: 05/23/24

Arsenic	46.0	0.200	mg/kg dry	46.2	6.56	85.4	75-125	1.72	25	
Barium	58.6	0.400	"	46.2	19.8	83.8	75-125	0.383	25	
Selenium	3.60	0.260	"	4.62	ND	77.8	75-125	0.244	25	

Post Spike (BHD1064-PS1)

Source: 2404358-01

Prepared: 04/30/24 Analyzed: 05/23/24

Arsenic	103		ug/l	100	13.2	90.1	75-125			
Barium	130		"	100	39.8	89.9	75-125			
Selenium	8.77		"	10.0	0.229	85.5	75-125			

Summit Scientific

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

Project: Noble - Baker B02-05

Project Number: [none]
Project Manager: Jacob Whritenour

Reported:
05/23/24 13:45

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 BHD1111 - General Preparation

Blank (BHD1111-BLK1)

Prepared: 04/30/24 Analyzed: 05/02/24

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

LCS (BHD1111-BS1)

Prepared: 04/30/24 Analyzed: 05/02/24

Calcium	5.20	0.0500	mg/L wet	5.00		104	70-130			
Magnesium	4.98	0.0500	"	5.00		99.6	70-130			
Sodium	5.00	0.0500	"	5.00		99.9	70-130			

Summit Scientific

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

Project: Noble - Baker B02-05

Project Number: [none]
 Project Manager: Jacob Whritenour

Reported:
 05/23/24 13:45

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 BHD0794 - General Preparation

Duplicate (BHD0794-DUP1)		Source: 2404310-01			Prepared & Analyzed: 04/23/24			
% Solids	91.6		%		92.0		0.456	20

Summit Scientific

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

Project: Noble - Baker B02-05

Project Number: [none]
Project Manager: Jacob Whritenour

Reported:
05/23/24 13:45

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 BHD1112 - General Preparation

Blank (BHD1112-BLK1)

Prepared: 04/30/24 Analyzed: 05/01/24

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BHD1112-BS1)

Prepared: 04/30/24 Analyzed: 05/01/24

Specific Conductance (EC) 0.155 0.0100 mmhos/cm 0.150 103 95-105

Duplicate (BHD1112-DUP1)

Source: 2404358-01

Prepared: 04/30/24 Analyzed: 05/01/24

Specific Conductance (EC) 0.416 0.0100 mmhos/cm 0.410 1.55 20

Summit Scientific

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

Project: Noble - Baker B02-05

Project Number: [none]
Project Manager: Jacob Whritenour

Reported:
05/23/24 13:45

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 BHD1113 - General Preparation

LCS (BHD1113-BS1)

Prepared: 04/30/24 Analyzed: 05/01/24

pH	9.11	pH Units	9.18	99.2	95-105
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Duplicate (BHD1113-DUP1)

Source: 2404358-01

Prepared: 04/30/24 Analyzed: 05/01/24

pH	8.10	pH Units	8.09	0.124	20
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Summit Scientific

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

Project: Noble - Baker B02-05

Project Number: [none]
Project Manager: Jacob Whritenour

Reported:
05/23/24 13:45

Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS/LCSD recovery.
- 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