

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

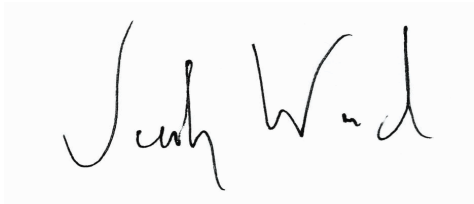
303.277.9310

September 14, 2023

Paul Henchan
Fremont Environmental
PO Box 1289
Wellington, CO 80549
RE: Noble - Beeler
Work Order #2309053

Enclosed are the results of analyses for samples received by Summit Scientific on 09/05/23 16:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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

Jacob Wood For Paul Shrewsbury
President



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Beeler

Project Number: [none]
Project Manager: Paul Henchan

Reported:
09/14/23 15:22

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B02(2) 7FT	2309053-01	Soil	09/05/23 00:00	09/05/23 16:30
B02 N 7FT	2309053-02	Soil	09/05/23 00:00	09/05/23 16:30
B02 S 7FT	2309053-03	Soil	09/05/23 00:00	09/05/23 16:30
B02 E 7FT	2309053-04	Soil	09/05/23 00:00	09/05/23 16:30
B02 W 7FT	2309053-05	Soil	09/05/23 00:00	09/05/23 16:30
SEP03 (2) 7FT	2309053-06	Soil	09/05/23 00:00	09/05/23 16:30
BKG-2 6FT	2309053-07	Soil	09/05/23 00:00	09/05/23 16:30
BKG-2 7FT	2309053-08	Soil	09/05/23 00:00	09/05/23 16:30
BKG-3 6FT	2309053-09	Soil	09/05/23 00:00	09/05/23 16:30
BKG-3 7FT	2309053-10	Soil	09/05/23 00:00	09/05/23 16:30
BKG-4 6FT	2309053-11	Soil	09/05/23 00:00	09/05/23 16:30
BKG-4 7FT	2309053-12	Soil	09/05/23 00:00	09/05/23 16:30
BKG-5 7FT	2309053-14	Soil	09/05/23 00:00	09/05/23 16:30
B02 8FT	2309053-15	Soil	09/05/23 00:00	09/05/23 16:30
B02 10FT	2309053-16	Soil	09/05/23 00:00	09/05/23 16:30
BKG-6 6FT	2309053-17	Soil	09/05/23 00:00	09/05/23 16:30
BKG-6 7FT	2309053-18	Soil	09/05/23 00:00	09/05/23 16:30

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

Lab ID	Page 1 of 2
2309053.1	

Client: Fremont Environmental, Inc.		Send Data To: Project Manager: Henehan		Send Invoice To: Company: Chevron	
Address: 8305 6th St.,		E-Mail: Fremont Distribution List, Chevron Dist List		Project Name/Location:	
City/State/Zip: Wellington, CO, 80549		Project Name: Noble - Beeler		AF#:	
Phone: 603-477-6907		Project Number:		PO/Billing Codes:	
Sampler Name: Ethan Black				Contact: Dan P.	

					Preservative				Matrix			Analysis Requested						Special Instructions		
ID	Sample Description	Date Sampled	Time Sampled	# of containers	HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other	BTEX, Naphthalene, TMBs	TPH (C6-C36)	PAH	SAR, EC, pH, Boron	TDS, Chloride, Sulfate	Metals (915-1)		
1	B02(2) 7FT	9/5/23		2			X			X							X			
2	B02 N 7FT																X			
3	B02 S 7FT																X			
4	B02 E 7FT																X			
5	B02 W 7FT																X			
6	SEP03 (2) 7FT																X			
7	BKG-2 6FT																X			
8	BKG-2 7FT																X			
9	BKG-3 6FT																X			
10	BKG-3 7FT																X			
11	BKG-4 6FT																X			
12	BKG-4 7FT																X			
13	BKG-5 6FT																X			
14	BKG-5 7FT																X			
15	B02 8FT																X			

Relinquished by: <u>Ethan Black</u>	Date/Time: <u>9/5/23</u>	Received by: <u>S2</u>	Date/Time: <u>9/5/23 1400</u>	TAT Business Days	Field DO	Notes:
Relinquished by: <u>S2</u>	Date/Time: <u>9/5/23 1030</u>	Received by: <u>[Signature]</u>	Date/Time: <u>9/5/23 1030</u>	Same Day	Field EC	
Relinquished by: <u>[Signature]</u>	Date/Time: <u>[Signature]</u>	Received by: <u>[Signature]</u>	Date/Time: <u>[Signature]</u>	1 Day	Field ORP	
				2 Days	Field pH	
				3 Days	Field Temp.	
				Standard	<input checked="" type="checkbox"/> Field Turb.	
Temperature Upon Receipt: <u>10.0</u>	Corrected Temperature: <u>9</u>	IR gun #: <u>1</u>	HNO3 lot #:			

SUMMIT SCIENTIFIC

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

Lab ID	Page <u>2</u> of <u>2</u>
2309053.2	

Send Data To:		Send Invoice To:
Client: Fremont Environmental, Inc.	Project Manager: Henehan	Company: <u>Chevron</u>
Address: 8305 6th St.,	E-Mail: Fremont Distribution List, <u>Chevron Dist. List</u>	Project Name/Location:
City/State/Zip: Wellington, CO, 80549		AFE#:
Phone: 603-477-6907	Project Name: <u>Noble - Beeler</u>	PO/Billing Codes:
Sampler Name: Ethan Black	Project Number:	Contact: <u>Dan P.</u>

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix		Air-Canister #	Analysis Requested							Special Instructions
					HCl	HNO3	None	Other	Water	Soil		Other	BTEX, Naphthalene, TMBs	TPH (C6-C36)	PAH	SAR, ES, OH, BOD	TDS, Chloride, Sulfate	Metals (915-1)	
1	B02 10 FT	9/5/23		2			X			X						X			
2	BKG-6 6 FT			1			X			X						X			
3	BKG-6 7 FT			1			X			X						X			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			

Relinquished by: <u>Ethan Black</u>	Date/Time: <u>9/5/23 1400</u>	Received by: <u>S2</u>	Date/Time: <u>9/5/23 1400</u>	TAT Business Days	Field DO	Notes:
Relinquished by: <u>52</u>	Date/Time: <u>9/5/23 1630</u>	Received by: <u>[Signature]</u>	Date/Time: <u>9/5/23 1630</u>	Same Day	Field EC	
				1 Day	Field ORP	
				2 Days	Field pH	
				3 Days	Field Temp.	
				Standard	X Field Turb.	
Temperature Upon Receipt: <u>10.0</u>	Corrected Temperature: <u>6</u>	IR gun #: <u>1</u>	HNO3 lot #: <u></u>			

S₂

2/2

Sample Receipt Checklist

S2 Work Order# 2309053

Client: FremontClient Project ID: Noble-BeckerShipped Via: H.D./P.U./FedEx/UPS/USPS/Other

Airbill #: _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------	--------------------------	--------------------------

Matrix (Check all that apply)

Air

☐

Soil

Solid

☐

Water

☐

Other

☐

Temp (°C)

10.0

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"/>	on ICE
If custody seals are present, are they intact? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are samples due within 48 hours present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are water samples with short hold times present? Note the short hold analysis in the comments column - pH, Nitrate/Nitrite, Ferrous Iron (Fe 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 checked="" type="checkbox"/>	<input type="checkbox"/>	no time stamps
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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	missing sample #13
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.

Custodian Printed Name

Date/Time

AS

9/5/23

0000



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Beeler
Project Number: [none]
Project Manager: Paul Henchan

Reported:
09/14/23 15:22

B02(2) 7FT
2309053-01 (Soil)

Summit Scientific

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

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	609	0.0571	mg/L dry	1	BGI0133	09/06/23	09/07/23	EPA 6020B	
Magnesium	238	0.0571	"	"	"	"	"	"	
Sodium	21.5	0.0571	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	0.187	0.00100	units	1	BGI0211	09/08/23	09/08/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	87.6		%	1	BGI0136	09/06/23	09/06/23	Calculation	

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

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	7.67		pH Units	1	BGI0148	09/07/23	09/07/23	EPA 9045D	

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Beeler
Project Number: [none]
Project Manager: Paul Henahan

Reported:
09/14/23 15:22

B02 N 7FT
2309053-02 (Soil)

Summit Scientific

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

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Calcium	544	0.0561		mg/L dry	1	BGI0133	09/06/23	09/07/23	EPA 6020B	
Magnesium	254	0.0561		"	"	"	"	"	"	
Sodium	35.3	0.0561		"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Sodium Adsorption Ratio	0.313	0.00100		units	1	BGI0211	09/08/23	09/08/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
% Solids	89.2			%	1	BGI0136	09/06/23	09/06/23	Calculation	

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

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	7.73			pH Units	1	BGI0148	09/07/23	09/07/23	EPA 9045D	

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Beeler
Project Number: [none]
Project Manager: Paul Henahan

Reported:
09/14/23 15:22

B02 S 7FT
2309053-03 (Soil)

Summit Scientific

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

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Calcium	584	0.0578		mg/L dry	1	BGI0133	09/06/23	09/07/23	EPA 6020B	
Magnesium	264	0.0578		"	"	"	"	"	"	
Sodium	43.5	0.0578		"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Sodium Adsorption Ratio	0.375	0.00100		units	1	BGI0211	09/08/23	09/08/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
% Solids	86.5			%	1	BGI0136	09/06/23	09/06/23	Calculation	

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

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	7.68			pH Units	1	BGI0148	09/07/23	09/07/23	EPA 9045D	

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Beeler
Project Number: [none]
Project Manager: Paul Henahan

Reported:
09/14/23 15:22

B02 E 7FT
2309053-04 (Soil)

Summit Scientific

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

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Calcium	90.1	0.0586		mg/L dry	1	BGI0133	09/06/23	09/07/23	EPA 6020B	
Magnesium	58.7	0.0586		"	"	"	"	"	"	
Sodium	11.7	0.0586		"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Sodium Adsorption Ratio	0.236	0.00100		units	1	BGI0211	09/08/23	09/08/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
% Solids	85.3			%	1	BGI0136	09/06/23	09/06/23	Calculation	

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

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	8.02			pH Units	1	BGI0148	09/07/23	09/07/23	EPA 9045D	

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Beeler
Project Number: [none]
Project Manager: Paul Henahan

Reported:
09/14/23 15:22

B02 W 7FT
2309053-05 (Soil)

Summit Scientific

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

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Calcium	611	0.0593		mg/L dry	1	BGI0133	09/06/23	09/07/23	EPA 6020B	
Magnesium	220	0.0593		"	"	"	"	"	"	
Sodium	17.1	0.0593		"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Sodium Adsorption Ratio	0.151	0.00100		units	1	BGI0211	09/08/23	09/08/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
% Solids	84.3			%	1	BGI0136	09/06/23	09/06/23	Calculation	

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

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	7.71			pH Units	1	BGI0148	09/07/23	09/07/23	EPA 9045D	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Beeler
Project Number: [none]
Project Manager: Paul Henchan

Reported:
09/14/23 15:22

SEP03 (2) 7FT
2309053-06 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.42	0.200	mg/kg dry	1	BGI0158	09/07/23	09/08/23	EPA 6020B	
Barium	152	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	1.97	0.400	"	"	"	"	"	"	
Lead	7.23	0.200	"	"	"	"	"	"	
Nickel	2.93	0.400	"	"	"	"	"	"	
Silver	0.0264	0.0200	"	"	"	"	"	"	
Zinc	10.8	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BGI0171	09/07/23	09/07/23	EPA 7196A	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	83.3		%	1	BGI0136	09/06/23	09/06/23	Calculation	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Beeler
Project Number: [none]
Project Manager: Paul Henahan

Reported:
09/14/23 15:22

BKG-2 6FT
2309053-07 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.13	0.200	mg/kg dry	1	BGI0158	09/07/23	09/08/23	EPA 6020B	
Barium	22.1	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	1.35	0.400	"	"	"	"	"	"	
Lead	5.81	0.200	"	"	"	"	"	"	
Nickel	2.23	0.400	"	"	"	"	"	"	
Silver	0.0242	0.0200	"	"	"	"	"	"	
Zinc	10.1	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BGI0171	09/07/23	09/07/23	EPA 7196A	

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

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	494	0.0572	mg/L dry	1	BGI0133	09/06/23	09/07/23	EPA 6020B	
Magnesium	690	0.0572	"	"	"	"	"	"	
Sodium	730	0.0572	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	4.98	0.00100	units	1	BGI0211	09/08/23	09/08/23	Calculation	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Beeler

Project Number: [none]
Project Manager: Paul Henchan

Reported:
09/14/23 15:22

BKG-2 6FT
2309053-07 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	87.5		%	1	BGI0136	09/06/23	09/06/23	Calculation	

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

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.70		pH Units	1	BGI0148	09/07/23	09/07/23	EPA 9045D	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Beeler
Project Number: [none]
Project Manager: Paul Henahan

Reported:
09/14/23 15:22

BKG-2 7FT
2309053-08 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.03	0.200	mg/kg dry	1	BGI0158	09/07/23	09/08/23	EPA 6020B	
Barium	23.4	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	1.65	0.400	"	"	"	"	"	"	
Lead	6.12	0.200	"	"	"	"	"	"	
Nickel	2.28	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	11.2	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BGI0171	09/07/23	09/07/23	EPA 7196A	

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

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	479	0.0558	mg/L dry	1	BGI0133	09/06/23	09/07/23	EPA 6020B	
Magnesium	740	0.0558	"	"	"	"	"	"	
Sodium	685	0.0558	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	4.58	0.00100	units	1	BGI0211	09/08/23	09/08/23	Calculation	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Beeler
Project Number: [none]
Project Manager: Paul Henchan

Reported:
09/14/23 15:22

BKG-2 7FT
2309053-08 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	89.6		%	1	BGI0136	09/06/23	09/06/23	Calculation	

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

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.16		pH Units	1	BGI0148	09/07/23	09/07/23	EPA 9045D	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Beeler

Project Number: [none]
Project Manager: Paul Henahan

Reported:
09/14/23 15:22

BKG-3 6FT
2309053-09 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.11	0.200	mg/kg dry	1	BGI0158	09/07/23	09/08/23	EPA 6020B	
Barium	47.4	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	2.10	0.400	"	"	"	"	"	"	
Lead	7.66	0.200	"	"	"	"	"	"	
Nickel	2.47	0.400	"	"	"	"	"	"	
Silver	0.0262	0.0200	"	"	"	"	"	"	
Zinc	12.7	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BGI0171	09/07/23	09/07/23	EPA 7196A	

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

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	203	0.0596	mg/L dry	1	BGI0133	09/06/23	09/07/23	EPA 6020B	
Magnesium	243	0.0596	"	"	"	"	"	"	
Sodium	302	0.0596	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	3.38	0.00100	units	1	BGI0211	09/08/23	09/08/23	Calculation	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Beeler

Project Number: [none]
Project Manager: Paul Henchan

Reported:
09/14/23 15:22

BKG-3 6FT
2309053-09 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	83.8		%	1	BGI0136	09/06/23	09/06/23	Calculation	

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

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.12		pH Units	1	BGI0148	09/07/23	09/07/23	EPA 9045D	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Beeler
Project Number: [none]
Project Manager: Paul Henahan

Reported:
09/14/23 15:22

BKG-3 7FT
2309053-10 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	0.696	0.200	mg/kg dry	1	BGI0158	09/07/23	09/08/23	EPA 6020B	
Barium	39.6	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	1.28	0.400	"	"	"	"	"	"	
Lead	5.83	0.200	"	"	"	"	"	"	
Nickel	1.92	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	9.34	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BGI0171	09/07/23	09/07/23	EPA 7196A	

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

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	561	0.0566	mg/L dry	1	BGI0133	09/06/23	09/07/23	EPA 6020B	
Magnesium	271	0.0566	"	"	"	"	"	"	
Sodium	30.1	0.0566	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	0.261	0.00100	units	1	BGI0211	09/08/23	09/08/23	Calculation	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Beeler
Project Number: [none]
Project Manager: Paul Henchan

Reported:
09/14/23 15:22

BKG-3 7FT
2309053-10 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	88.3		%	1	BGI0136	09/06/23	09/06/23	Calculation	

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

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.68		pH Units	1	BGI0148	09/07/23	09/07/23	EPA 9045D	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Beeler

Project Number: [none]
Project Manager: Paul Henahan

Reported:
09/14/23 15:22

BKG-4 6FT
2309053-11 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.36	0.200	mg/kg dry	1	BGI0158	09/07/23	09/08/23	EPA 6020B	
Barium	204	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	2.09	0.400	"	"	"	"	"	"	
Lead	7.41	0.200	"	"	"	"	"	"	
Nickel	3.05	0.400	"	"	"	"	"	"	
Silver	0.0295	0.0200	"	"	"	"	"	"	
Zinc	10.2	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BGI0171	09/07/23	09/07/23	EPA 7196A	

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

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	63.4	0.0567	mg/L dry	1	BGI0133	09/06/23	09/07/23	EPA 6020B	
Magnesium	26.9	0.0567	"	"	"	"	"	"	
Sodium	8.55	0.0567	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	0.227	0.00100	units	1	BGI0211	09/08/23	09/08/23	Calculation	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Beeler

Project Number: [none]
Project Manager: Paul Henchan

Reported:
09/14/23 15:22

BKG-4 6FT
2309053-11 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	88.3		%	1	BGI0136	09/06/23	09/06/23	Calculation	

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

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.07		pH Units	1	BGI0148	09/07/23	09/07/23	EPA 9045D	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Beeler
Project Number: [none]
Project Manager: Paul Henchan

Reported:
09/14/23 15:22

BKG-4 7FT
2309053-12 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.22	0.200	mg/kg dry	1	BGI0158	09/07/23	09/08/23	EPA 6020B	
Barium	94.4	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	1.77	0.400	"	"	"	"	"	"	
Lead	6.71	0.200	"	"	"	"	"	"	
Nickel	2.62	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	11.1	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BGI0171	09/07/23	09/07/23	EPA 7196A	

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

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	599	0.0606	mg/L dry	1	BGI0133	09/06/23	09/07/23	EPA 6020B	
Magnesium	167	0.0606	"	"	"	"	"	"	
Sodium	12.0	0.0606	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	0.112	0.00100	units	1	BGI0211	09/08/23	09/08/23	Calculation	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Beeler

Project Number: [none]
Project Manager: Paul Henchan

Reported:
09/14/23 15:22

BKG-4 7FT
2309053-12 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	82.5		%	1	BGI0136	09/06/23	09/06/23	Calculation	

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

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.68		pH Units	1	BGI0148	09/07/23	09/07/23	EPA 9045D	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Beeler
Project Number: [none]
Project Manager: Paul Henahan

Reported:
09/14/23 15:22

BKG-5 7FT
2309053-14 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.27	0.200	mg/kg dry	1	BGI0158	09/07/23	09/08/23	EPA 6020B	
Barium	85.1	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	1.71	0.400	"	"	"	"	"	"	
Lead	7.91	0.200	"	"	"	"	"	"	
Nickel	2.69	0.400	"	"	"	"	"	"	
Silver	0.0289	0.0200	"	"	"	"	"	"	
Zinc	11.4	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BGI0171	09/07/23	09/07/23	EPA 7196A	

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

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	48.6	0.0601	mg/L dry	1	BGI0133	09/06/23	09/07/23	EPA 6020B	
Magnesium	76.0	0.0601	"	"	"	"	"	"	
Sodium	128	0.0601	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	2.67	0.00100	units	1	BGI0211	09/08/23	09/08/23	Calculation	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Beeler

Project Number: [none]
Project Manager: Paul Henchan

Reported:
09/14/23 15:22

BKG-5 7FT
2309053-14 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	83.1		%	1	BGI0136	09/06/23	09/06/23	Calculation	

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

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.23		pH Units	1	BGI0148	09/07/23	09/07/23	EPA 9045D	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Beeler

Project Number: [none]
Project Manager: Paul Henahan

Reported:
09/14/23 15:22

B02 8FT
2309053-15 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	0.560	0.200	mg/kg dry	1	BGI0158	09/07/23	09/08/23	EPA 6020B	
Barium	44.7	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	0.918	0.400	"	"	"	"	"	"	
Lead	4.48	0.200	"	"	"	"	"	"	
Nickel	1.51	0.400	"	"	"	"	"	"	
Silver	0.0200	0.0200	"	"	"	"	"	"	
Zinc	7.16	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BGI0171	09/07/23	09/07/23	EPA 7196A	

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

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	445	0.0544	mg/L dry	1	BGI0133	09/06/23	09/07/23	EPA 6020B	
Magnesium	277	0.0544	"	"	"	"	"	"	
Sodium	59.3	0.0544	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	0.544	0.00100	units	1	BGI0211	09/08/23	09/08/23	Calculation	

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.



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Beeler

Project Number: [none]
Project Manager: Paul Henchan

Reported:
09/14/23 15:22

B02 8FT
2309053-15 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	92.0		%	1	BGI0136	09/06/23	09/06/23	Calculation	

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

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.74		pH Units	1	BGI0148	09/07/23	09/07/23	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.



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Beeler
Project Number: [none]
Project Manager: Paul Henahan

Reported:
09/14/23 15:22

B02 10FT
2309053-16 (Soil)

Summit Scientific

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

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Calcium	37.6	0.0578		mg/L dry	1	BGI0133	09/06/23	09/07/23	EPA 6020B	
Magnesium	66.0	0.0578		"	"	"	"	"	"	
Sodium	158	0.0578		"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Sodium Adsorption Ratio	3.60	0.00100		units	1	BGI0211	09/08/23	09/08/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
% Solids	86.5			%	1	BGI0136	09/06/23	09/06/23	Calculation	

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

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	8.41			pH Units	1	BGI0148	09/07/23	09/07/23	EPA 9045D	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Beeler
Project Number: [none]
Project Manager: Paul Henahan

Reported:
09/14/23 15:22

BKG-6 6FT
2309053-17 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.47	0.200	mg/kg dry	1	BGI0158	09/07/23	09/08/23	EPA 6020B	
Barium	153	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	1.99	0.400	"	"	"	"	"	"	
Lead	6.64	0.200	"	"	"	"	"	"	
Nickel	3.13	0.400	"	"	"	"	"	"	
Silver	0.0311	0.0200	"	"	"	"	"	"	
Zinc	9.19	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BGI0171	09/07/23	09/07/23	EPA 7196A	

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

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	506	0.0555	mg/L dry	1	BGI0133	09/06/23	09/07/23	EPA 6020B	
Magnesium	316	0.0555	"	"	"	"	"	"	
Sodium	227	0.0555	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	1.95	0.00100	units	1	BGI0211	09/08/23	09/08/23	Calculation	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Beeler

Project Number: [none]
Project Manager: Paul Henchan

Reported:
09/14/23 15:22

BKG-6 6FT
2309053-17 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	90.0		%	1	BGI0136	09/06/23	09/06/23	Calculation	

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

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.76		pH Units	1	BGI0148	09/07/23	09/07/23	EPA 9045D	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Beeler

Project Number: [none]
Project Manager: Paul Henahan

Reported:
09/14/23 15:22

BKG-6 7FT
2309053-18 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.81	0.200	mg/kg dry	1	BGI0158	09/07/23	09/08/23	EPA 6020B	
Barium	114	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	1.75	0.400	"	"	"	"	"	"	
Lead	6.06	0.200	"	"	"	"	"	"	
Nickel	2.75	0.400	"	"	"	"	"	"	
Silver	0.0334	0.0200	"	"	"	"	"	"	
Zinc	9.16	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BGI0171	09/07/23	09/07/23	EPA 7196A	

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

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	473	0.0556	mg/L dry	1	BGI0133	09/06/23	09/07/23	EPA 6020B	
Magnesium	406	0.0556	"	"	"	"	"	"	
Sodium	333	0.0556	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	2.71	0.00100	units	1	BGI0211	09/08/23	09/08/23	Calculation	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Beeler

Project Number: [none]
Project Manager: Paul Henchan

Reported:
09/14/23 15:22

BKG-6 7FT
2309053-18 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	89.9		%	1	BGI0136	09/06/23	09/06/23	Calculation	

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

Date Sampled: **09/05/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.91		pH Units	1	BGI0148	09/07/23	09/07/23	EPA 9045D	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Beeler
Project Number: [none]
Project Manager: Paul Henchan

Reported:
09/14/23 15:22

Total Metals by EPA 6020B - Quality Control

Summit Scientific

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

Batch BGI0158 - EPA 3050B

Blank (BGI0158-BLK1)

Prepared: 09/07/23 Analyzed: 09/08/23

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 (BGI0158-BS1)

Prepared: 09/07/23 Analyzed: 09/08/23

Arsenic	42.1	0.200	mg/kg wet	40.0	105	80-120
Barium	40.5	0.400	"	40.0	101	80-120
Cadmium	2.02	0.200	"	2.00	101	80-120
Copper	38.8	0.400	"	40.0	97.1	80-120
Lead	20.7	0.200	"	20.0	104	80-120
Nickel	42.4	0.400	"	40.0	106	80-120
Silver	2.00	0.0200	"	2.00	99.8	80-120
Zinc	42.8	0.400	"	40.0	107	80-120

Duplicate (BGI0158-DUP1)

Source: 2309045-01

Prepared: 09/07/23 Analyzed: 09/08/23

Arsenic	1.34	0.200	mg/kg dry	1.32	1.73	20
Barium	68.0	0.400	"	79.1	15.1	20
Cadmium	0.855	0.200	"	0.930	8.40	20
Copper	7.99	0.400	"	7.74	3.23	20
Lead	45.5	0.200	"	55.6	20.1	20
Nickel	1.59	0.400	"	1.53	3.58	20
Silver	0.528	0.0200	"	0.528	0.0856	20
Zinc	30.8	0.400	"	29.4	4.52	20
Selenium	ND	0.260	"	ND		200

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Beeler

Project Number: [none]
Project Manager: Paul Henchan

Reported:
09/14/23 15:22

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BGI0158 - EPA 3050B

Matrix Spike (BGI0158-MS1)

Source: 2309045-01

Prepared: 09/07/23 Analyzed: 09/08/23

Arsenic	15.5	0.200	mg/kg dry	45.2	1.32	31.4	75-125			QM-01
Barium	124	0.400	"	45.2	79.1	99.1	75-125			
Cadmium	3.36	0.200	"	2.26	0.930	108	75-125			
Copper	21.5	0.400	"	45.2	7.74	30.4	75-125			QM-01
Lead	67.3	0.200	"	22.6	55.6	51.6	75-125			QM-01
Nickel	16.6	0.400	"	45.2	1.53	33.3	75-125			QM-01
Silver	2.87	0.0200	"	2.26	0.528	104	75-125			
Zinc	46.1	0.400	"	45.2	29.4	36.9	75-125			QM-01

Matrix Spike Dup (BGI0158-MSD1)

Source: 2309045-01

Prepared: 09/07/23 Analyzed: 09/08/23

Arsenic	13.7	0.200	mg/kg dry	45.2	1.32	27.5	75-125	12.0	25	QM-01
Barium	101	0.400	"	45.2	79.1	48.0	75-125	20.5	25	QM-01
Cadmium	2.70	0.200	"	2.26	0.930	78.6	75-125	21.6	25	
Copper	19.5	0.400	"	45.2	7.74	26.1	75-125	9.58	25	QM-01
Lead	58.7	0.200	"	22.6	55.6	13.4	75-125	13.7	25	QM-01
Nickel	14.9	0.400	"	45.2	1.53	29.5	75-125	11.0	25	QM-01
Silver	2.31	0.0200	"	2.26	0.528	78.8	75-125	21.9	25	
Zinc	42.5	0.400	"	45.2	29.4	28.9	75-125	8.12	25	QM-01

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Beeler

Project Number: [none]
Project Manager: Paul Henchan

Reported:
09/14/23 15:22

Hexavalent Chromium by EPA Method 7196 - Quality Control
Summit Scientific

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

Batch BGI0171 - 3060A Mod

Blank (BGI0171-BLK1)

Prepared & Analyzed: 09/07/23

Chromium, Hexavalent ND 0.30 mg/kg wet

LCS (BGI0171-BS1)

Prepared & Analyzed: 09/07/23

Chromium, Hexavalent 24.0 0.30 mg/kg wet 25.0 96.2 80-120

Duplicate (BGI0171-DUP1)

Source: 2308661-02

Prepared & Analyzed: 09/07/23

Chromium, Hexavalent ND 0.30 mg/kg dry ND 20

Matrix Spike (BGI0171-MS1)

Source: 2308661-02

Prepared & Analyzed: 09/07/23

Chromium, Hexavalent 27.2 0.30 mg/kg dry 29.5 ND 92.2 75-125

Matrix Spike Dup (BGI0171-MSD1)

Source: 2308661-02

Prepared & Analyzed: 09/07/23

Chromium, Hexavalent 27.0 0.30 mg/kg dry 29.5 ND 91.6 75-125 0.653 20

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Beeler

Project Number: [none]
Project Manager: Paul Henchan

Reported:
09/14/23 15:22

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

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

Batch BGI0133 - General Preparation

Blank (BGI0133-BLK1)

Prepared: 09/06/23 Analyzed: 09/07/23

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

LCS (BGI0133-BS1)

Prepared: 09/06/23 Analyzed: 09/07/23

Calcium	4.76	0.0500	mg/L wet	5.00	95.2	70-130
Magnesium	4.73	0.0500	"	5.00	94.6	70-130
Sodium	4.52	0.0500	"	5.00	90.4	70-130

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Beeler

Project Number: [none]
Project Manager: Paul Henchan

Reported:
09/14/23 15:22

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

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

Batch BGI0136 - General Preparation

Duplicate (BGI0136-DUP1)		Source: 2308661-02			Prepared & Analyzed: 09/06/23					
% Solids	83.7		%		84.7		1.13		20	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Beeler

Project Number: [none]
Project Manager: Paul Henchan

Reported:
09/14/23 15:22

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

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

Batch BGI0148 - General Preparation

LCS (BGI0148-BS1)

Prepared & Analyzed: 09/07/23

pH	9.06	pH Units	9.18	98.7	95-105
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Duplicate (BGI0148-DUP1)

Source: 2309048-01

Prepared & Analyzed: 09/07/23

pH	7.17	pH Units	7.17	0.00	20
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Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Beeler

Project Number: [none]
Project Manager: Paul Henchan

Reported:
09/14/23 15:22

Notes and Definitions

QR-04	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-01	The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.
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