

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

October 08, 2024

Paul Henchan
Fremont Environmental
PO Box 1289
Wellington, CO 80549
RE: Noble - Jepsen Excavation
Work Order #2410035

Enclosed are the results of analyses for samples received by Summit Scientific on 10/02/24 16:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Jacob Wood". The signature is written in a cursive style with a large initial 'J' and 'W'.

Jacob Wood For Paul Shrewsbury
President



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Jepsen Excavation

Project Number: CO23-220
 Project Manager: Paul Henchan

Reported:
 10/08/24 16:02

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BKG01 - 0.5ft	2410035-01	Soil	10/02/24 00:00	10/02/24 16:30
BKG01 - 2ft	2410035-02	Soil	10/02/24 00:00	10/02/24 16:30
BKG01 - 3ft	2410035-03	Soil	10/02/24 00:00	10/02/24 16:30
BKG01 - 4ft	2410035-04	Soil	10/02/24 00:00	10/02/24 16:30
BKG01 - 5ft	2410035-05	Soil	10/02/24 00:00	10/02/24 16:30
BKG01 - 8ft	2410035-06	Soil	10/02/24 00:00	10/02/24 16:30
BKG01 - 9ft	2410035-07	Soil	10/02/24 00:00	10/02/24 16:30
BKG02 - 0.5ft	2410035-08	Soil	10/02/24 00:00	10/02/24 16:30
BKG02 - 2ft	2410035-09	Soil	10/02/24 00:00	10/02/24 16:30
BKG02 - 3ft	2410035-10	Soil	10/02/24 00:00	10/02/24 16:30
BKG02 - 4ft	2410035-11	Soil	10/02/24 00:00	10/02/24 16:30
BKG02 - 5ft	2410035-12	Soil	10/02/24 00:00	10/02/24 16:30
BKG02 - 8ft	2410035-13	Soil	10/02/24 00:00	10/02/24 16:30
BKG02 - 9ft	2410035-14	Soil	10/02/24 00:00	10/02/24 16:30
BKG03 - 0.5ft	2410035-15	Soil	10/02/24 00:00	10/02/24 16:30
BKG03 - 2ft	2410035-16	Soil	10/02/24 00:00	10/02/24 16:30
BKG03 - 3ft	2410035-17	Soil	10/02/24 00:00	10/02/24 16:30
BKG03 - 4ft	2410035-18	Soil	10/02/24 00:00	10/02/24 16:30
BKG03 - 5ft	2410035-19	Soil	10/02/24 00:00	10/02/24 16:30
BKG03 - 8ft	2410035-20	Soil	10/02/24 00:00	10/02/24 16:30
BKG03 - 9ft	2410035-21	Soil	10/02/24 00:00	10/02/24 16:30
BKG04 - 0.5ft	2410035-22	Soil	10/02/24 00:00	10/02/24 16:30
BKG04 - 2ft	2410035-23	Soil	10/02/24 00:00	10/02/24 16:30
BKG04 - 3ft	2410035-24	Soil	10/02/24 00:00	10/02/24 16:30
BKG04 - 4ft	2410035-25	Soil	10/02/24 00:00	10/02/24 16:30
BKG04 - 5ft	2410035-26	Soil	10/02/24 00:00	10/02/24 16:30
BKG04 - 8ft	2410035-27	Soil	10/02/24 00:00	10/02/24 16:30

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BKG04 - 9ft	2410035-28	Soil	10/02/24 00:00	10/02/24 16:30
BKG05 - 0.5ft	2410035-29	Soil	10/02/24 00:00	10/02/24 16:30
BKG05 - 2ft	2410035-30	Soil	10/02/24 00:00	10/02/24 16:30
BKG05 - 3ft	2410035-31	Soil	10/02/24 00:00	10/02/24 16:30
BKG05 - 4ft	2410035-32	Soil	10/02/24 00:00	10/02/24 16:30
BKG05 - 5ft	2410035-33	Soil	10/02/24 00:00	10/02/24 16:30
BKG05 - 8ft	2410035-34	Soil	10/02/24 00:00	10/02/24 16:30
BKG05 - 9ft	2410035-35	Soil	10/02/24 00:00	10/02/24 16:30
Backfill	2410035-36	Soil	10/02/24 00:00	10/02/24 16:30

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

Lab ID 2410035.1 Page 1 of 3

Client: Fremont Environmental		Project Manager: Paul Henehan		Company: <u>Noble</u>	
Address:		E-Mail: Fremont Distribution List		Project Name/Location:	
City/State/Zip:				AFE#:	
Phone: 303-261-6246		Project Name: <u>Jepsen Excavation</u>		PO/Billing Codes:	
Sampler Name: Stanley Gilbert		Project Number: <u>C023-220</u>		Contact: <u>Dan Peterson</u>	

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix		Air-Canister #	Other	Analysis Requested						Special Instructions	
					HCl	HNO3	None	Other	Water	Soil			BTEX, TMBs, Naph.	TPH	PAH (915)	EC, SAR, Ph, Boron	Metals (915)	TDS, Chloride, Sulfate		HOLD
1	BK601-0.5Ft	10/2/24		1			X			X						X	X			
2	BK601-2Ft																			
3	BK601-3Ft																			
4	BK601-4Ft																			
5	BK601-5Ft																			
6	BK601-8Ft																			
7	BK601-9Ft																			
8	BK602-0.5Ft																			
9	BK602-2Ft																			
10	BK602-3Ft																			
11	BK602-4Ft																			
12	BK602-5Ft																			
13	BK602-8Ft																			
14	BK602-9Ft																			
15	BK603-0.5Ft																			

Relinquished by: <u>[Signature]</u>	Date/Time: <u>10/2/24 14:50</u>	Received by: <u>Summit North</u>	Date/Time: <u>10/2/24 14:50</u>	TAT Business Days	Field DO	Notes:
				Same Day	Field EC	
Relinquished by: <u>[Signature]</u>	Date/Time: <u>10/2/24 1630</u>	Received by: <u>[Signature]</u>	Date/Time: <u>10/2/24 1630</u>	1 Day	Field ORP	
				2 Days	Field pH	
Relinquished by:	Date/Time:	Received by:	Date/Time:	3 Days	Field Temp.	
				Standard	<input checked="" type="checkbox"/> Field Turb.	
Temperature Upon Receipt: <u>9.0</u>	Corrected Temperature: <u>8</u>	IR gun #: <u>1</u>	HNO3 lot #:			



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

Lab ID 2410035.2 Page 2 of 3

Client: Fremont Environmental		Project Manager: Paul Henehan		Company: <u>Noble</u>	
Address:		E-Mail: Fremont Distribution List		Project Name/Location:	
City/State/Zip:				AFE#:	
Phone: 303-261-6246		Project Name: <u>Jensen Excavation</u>		PO/Billing Codes:	
Sampler Name: Stanley Gilbert		Project Number: <u>CO23-220</u>		Contact: <u>Dan Peterson</u>	

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix			Analysis Requested						Special Instructions		
					HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other	BTEX, TMBs, Naph.	TPH	PAH (915)	EC, SAR, Ph, Boron	Metals (915)		TDS, Chloride, Sulfate	HOLD
1	BHG03-2FT	10/2/24		1			X			X						X	X			
2	BHG03-3FT																			
3	BHG03-4FT																			
4	BHG03-5FT																			
5	BHG03-8FT																			
6	BHG03-9FT																			
7	BHG04-0.5FT																			
8	BHG04-2FT																			
9	BHG04-3FT																			
10	BHG04-4FT																			
11	BHG04-5FT																			
12	BHG04-8FT																			
13	BHG04-9FT																			
14	BHG05-0.5FT																			
15	BHG05-2FT																			

Relinquished by:	Date/Time: 10/2/24 14:50	Received by: Summit North	Date/Time: 10/2/24 14:50	TAT Business Days	Field DO	Notes:
Relinquished by:	Date/Time: 10/2/24 16:30	Received by:	Date/Time: 10/2/24 16:30	Same Day	Field EC	
				1 Day	Field ORP	
				2 Days	Field pH	
				3 Days	Field Temp.	
				Standard	<input checked="" type="checkbox"/> Field Turb.	
Temperature Upon Receipt: 9.0	Corrected Temperature: 8	IR gun #: _____	HNO3 lot #: _____			



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

Lab ID	Page 3 of 3
2410835.3	

Client: Fremont Environmental	Project Manager: Paul Henehan	Company: Noble
Address:	E-Mail: Fremont Distribution List	Project Name/Location:
City/State/Zip:		AFE#:
Phone: 303-261-6246	Project Name: Jepsen Excavation	PO/Billing Codes:
Sampler Name: Stanley Gilbert	Project Number: C023-220	Contact: Dan Peterson

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix			Analysis Requested						Special Instructions		
					HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other	BTEX, TMBs, Naph.	TPH	PAH (915)	EC, SAR, Ph, Boron	Metals (915)		TDS, Chloride, Sulfate	HOLD
1	BHG05-3FT	10/2/24		1			X			X						X	X			
2	BHG05-4FT						X			X						X	X			
3	BHG05-5FT						X			X						X	X			
4	BHG05-8FT						X			X						X	X			
5	BHG05-9FT						X			X						X	X			
6																				
7																				
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				

Relinquished by:	Date/Time: 10/2/24 14:50	Received by: Summit North	Date/Time: 10/2/24 14:50	TAT Business Days	Field DO	Notes:
Relinquished by: SZ	Date/Time: 10/2/24 16:30	Received by:	Date/Time: 10/2/24 16:30	Same Day	Field EC	
				1 Day	Field ORP	
				2 Days	Field pH	
				3 Days	Field Temp.	
				Standard	Field Turb.	
Temperature Upon Receipt: 9.0	Corrected Temperature: 9	IR gun #: /	HNO3 lot #:			

S₂

3/3

Sample Receipt Checklist

S2 Work Order# 2410035

Client: Fremont

Client Project ID: Jepsen Excavation

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

Airbill #: _____

-

Matrix (Check all that apply)

Air

Soil/Solid

Water

Other

Temp (°C)

9.0

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

NO time stamps

Additional Comments (if any):

extra sample - unsure if it goes w/ this one or 2410031

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

AS

Custodian Printed Name

10/2/24

Date/Time



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

BKG01 - 0.5ft
2410035-01 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Boron	ND	2.00		mg/L	1	BHJ0138	10/03/24	10/05/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Arsenic	0.905	0.200		mg/kg dry	1	BHJ0194	10/04/24	10/05/24	EPA 6020B	
Barium	17.8	0.400		"	"	"	"	"	"	
Cadmium	ND	0.200		"	"	"	"	"	"	
Copper	2.38	0.400		"	"	"	"	"	"	
Lead	6.22	0.200		"	"	"	"	"	"	
Nickel	1.58	0.400		"	"	"	"	"	"	
Silver	ND	0.0200		"	"	"	"	"	"	
Zinc	9.99	0.400		"	"	"	"	"	"	
Selenium	ND	0.260		"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Chromium, Hexavalent	ND	0.30		mg/kg dry	1	BHJ0178	10/03/24	10/04/24	EPA 7196A	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Calcium	24.7	0.0500		mg/L dry	1	BHJ0196	10/04/24	10/07/24	EPA 6020B	
Magnesium	2.29	0.0500		"	"	"	"	"	"	
Sodium	9.80	0.0500		"	"	"	"	"	"	

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Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

BKG01 - 0.5ft
2410035-01 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.506	0.00100	units	1	BHJ0316	10/08/24	10/08/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	96.6		%	1	BHJ0149	10/03/24	10/04/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.473	0.0100	mmhos/cm	1	BHJ0244	10/06/24	10/07/24	EPA 120.1	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	5.77		pH Units	1	BHJ0243	10/06/24	10/07/24	EPA 9045D	

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Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

BKG01 - 2ft
2410035-02 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	3.23	2.00	mg/L	1	BHJ0138	10/03/24	10/05/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.27	0.200	mg/kg dry	1	BHJ0194	10/04/24	10/05/24	EPA 6020B	
Barium	34.3	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	2.31	0.400	"	"	"	"	"	"	
Lead	3.64	0.200	"	"	"	"	"	"	
Nickel	2.64	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	11.3	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHJ0178	10/03/24	10/04/24	EPA 7196A	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	59.2	0.0500	mg/L dry	1	BHJ0196	10/04/24	10/07/24	EPA 6020B	
Magnesium	6.32	0.0500	"	"	"	"	"	"	
Sodium	68.5	0.0500	"	"	"	"	"	"	

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Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

BKG01 - 2ft
2410035-02 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	2.26	0.00100	units	1	BHJ0316	10/08/24	10/08/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	98.8		%	1	BHJ0149	10/03/24	10/04/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.36	0.0100	mmhos/cm	1	BHJ0244	10/06/24	10/07/24	EPA 120.1	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	9.24		pH Units	1	BHJ0243	10/06/24	10/07/24	EPA 9045D	

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Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

BKG01 - 3ft
2410035-03 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHJ0138	10/03/24	10/05/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.02	0.200	mg/kg dry	1	BHJ0194	10/04/24	10/05/24	EPA 6020B	
Barium	31.5	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	2.29	0.400	"	"	"	"	"	"	
Lead	3.31	0.200	"	"	"	"	"	"	
Nickel	2.48	0.400	"	"	"	"	"	"	
Silver	0.0211	0.0200	"	"	"	"	"	"	
Zinc	10.3	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHJ0178	10/03/24	10/04/24	EPA 7196A	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	41.0	0.0500	mg/L dry	1	BHJ0196	10/04/24	10/07/24	EPA 6020B	
Magnesium	6.93	0.0500	"	"	"	"	"	"	
Sodium	59.6	0.0500	"	"	"	"	"	"	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

BKG01 - 3ft
2410035-03 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	2.27	0.00100	units	1	BHJ0316	10/08/24	10/08/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	96.6		%	1	BHJ0149	10/03/24	10/04/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.860	0.0100	mmhos/cm	1	BHJ0244	10/06/24	10/07/24	EPA 120.1	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	9.53		pH Units	1	BHJ0243	10/06/24	10/07/24	EPA 9045D	

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PO Box 1289
Wellington CO, 80549

Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

BKG01 - 4ft
2410035-04 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHJ0138	10/03/24	10/05/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	0.969	0.200	mg/kg dry	1	BHJ0194	10/04/24	10/05/24	EPA 6020B	
Barium	32.0	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	2.18	0.400	"	"	"	"	"	"	
Lead	3.34	0.200	"	"	"	"	"	"	
Nickel	2.34	0.400	"	"	"	"	"	"	
Silver	0.0215	0.0200	"	"	"	"	"	"	
Zinc	9.64	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHJ0178	10/03/24	10/04/24	EPA 7196A	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	81.9	0.0500	mg/L dry	1	BHJ0196	10/04/24	10/07/24	EPA 6020B	
Magnesium	7.06	0.0500	"	"	"	"	"	"	
Sodium	50.0	0.0500	"	"	"	"	"	"	

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 PO Box 1289
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Project: Noble - Jepsen Excavation

Project Number: CO23-220
 Project Manager: Paul Henchan

Reported:
 10/08/24 16:02

**BKG01 - 4ft
 2410035-04 (Soil)**

Summit Scientific

Calculated Analysis

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	1.42	0.00100	units	1	BHJ0316	10/08/24	10/08/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	86.9		%	1	BHJ0149	10/03/24	10/04/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.813	0.0100	mmhos/cm	1	BHJ0244	10/06/24	10/07/24	EPA 120.1	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	9.40		pH Units	1	BHJ0243	10/06/24	10/07/24	EPA 9045D	

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

BKG01 - 5ft
2410035-05 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHJ0138	10/03/24	10/05/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	0.856	0.200	mg/kg dry	1	BHJ0194	10/04/24	10/05/24	EPA 6020B	
Barium	30.1	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	2.23	0.400	"	"	"	"	"	"	
Lead	2.85	0.200	"	"	"	"	"	"	
Nickel	2.21	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	9.69	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHJ0178	10/03/24	10/04/24	EPA 7196A	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	112	0.0500	mg/L dry	1	BHJ0196	10/04/24	10/07/24	EPA 6020B	
Magnesium	5.63	0.0500	"	"	"	"	"	"	
Sodium	21.9	0.0500	"	"	"	"	"	"	

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

BKG01 - 5ft
2410035-05 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.548	0.00100	units	1	BHJ0316	10/08/24	10/08/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	85.2		%	1	BHJ0149	10/03/24	10/04/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.489	0.0100	mmhos/cm	1	BHJ0244	10/06/24	10/07/24	EPA 120.1	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.59		pH Units	1	BHJ0243	10/06/24	10/07/24	EPA 9045D	

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

BKG01 - 8ft
2410035-06 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHJ0138	10/03/24	10/05/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.09	0.200	mg/kg dry	1	BHJ0194	10/04/24	10/05/24	EPA 6020B	
Barium	39.2	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	2.54	0.400	"	"	"	"	"	"	
Lead	3.49	0.200	"	"	"	"	"	"	
Nickel	3.00	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	11.3	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHJ0178	10/03/24	10/04/24	EPA 7196A	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	62.9	0.0500	mg/L dry	1	BHJ0196	10/04/24	10/07/24	EPA 6020B	
Magnesium	4.95	0.0500	"	"	"	"	"	"	
Sodium	17.1	0.0500	"	"	"	"	"	"	

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Jepsen Excavation
Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

BKG01 - 8ft
2410035-06 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.559	0.00100	units	1	BHJ0316	10/08/24	10/08/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	81.6		%	1	BHJ0149	10/03/24	10/04/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.284	0.0100	mmhos/cm	1	BHJ0244	10/06/24	10/07/24	EPA 120.1	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.72		pH Units	1	BHJ0243	10/06/24	10/07/24	EPA 9045D	

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PO Box 1289
Wellington CO, 80549

Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

BKG01 - 9ft
2410035-07 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHJ0138	10/03/24	10/05/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.11	0.200	mg/kg dry	1	BHJ0194	10/04/24	10/05/24	EPA 6020B	
Barium	41.9	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	2.61	0.400	"	"	"	"	"	"	
Lead	3.58	0.200	"	"	"	"	"	"	
Nickel	3.10	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	12.5	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHJ0178	10/03/24	10/04/24	EPA 7196A	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	43.9	0.0500	mg/L dry	1	BHJ0196	10/04/24	10/07/24	EPA 6020B	
Magnesium	4.80	0.0500	"	"	"	"	"	"	
Sodium	25.0	0.0500	"	"	"	"	"	"	

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Jepsen Excavation

Project Number: CO23-220
 Project Manager: Paul Henchan

Reported:
 10/08/24 16:02

BKG01 - 9ft
2410035-07 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.956	0.00100	units	1	BHJ0316	10/08/24	10/08/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	82.9		%	1	BHJ0149	10/03/24	10/04/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.305	0.0100	mmhos/cm	1	BHJ0244	10/06/24	10/07/24	EPA 120.1	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	9.00		pH Units	1	BHJ0243	10/06/24	10/07/24	EPA 9045D	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

BKG02 - 0.5ft
2410035-08 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Boron	ND	2.00		mg/L	1	BHJ0138	10/03/24	10/05/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Arsenic	0.947	0.200		mg/kg dry	1	BHJ0194	10/04/24	10/05/24	EPA 6020B	
Barium	19.5	0.400		"	"	"	"	"	"	
Cadmium	ND	0.200		"	"	"	"	"	"	
Copper	2.61	0.400		"	"	"	"	"	"	
Lead	8.59	0.200		"	"	"	"	"	"	
Nickel	1.70	0.400		"	"	"	"	"	"	
Silver	ND	0.0200		"	"	"	"	"	"	
Zinc	11.0	0.400		"	"	"	"	"	"	
Selenium	ND	0.260		"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Chromium, Hexavalent	ND	0.30		mg/kg dry	1	BHJ0178	10/03/24	10/04/24	EPA 7196A	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Calcium	19.9	0.0500		mg/L dry	1	BHJ0196	10/04/24	10/08/24	EPA 6020B	
Magnesium	2.02	0.0500		"	"	"	"	"	"	
Sodium	8.37	0.0500		"	"	"	"	"	"	

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

BKG02 - 0.5ft
2410035-08 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.478	0.00100	units	1	BHJ0316	10/08/24	10/08/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	96.3		%	1	BHJ0149	10/03/24	10/04/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.360	0.0100	mmhos/cm	1	BHJ0244	10/06/24	10/07/24	EPA 120.1	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	6.07		pH Units	1	BHJ0243	10/06/24	10/07/24	EPA 9045D	

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

BKG02 - 2ft
2410035-09 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHJ0138	10/03/24	10/05/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.25	0.200	mg/kg dry	1	BHJ0194	10/04/24	10/05/24	EPA 6020B	
Barium	33.9	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	2.33	0.400	"	"	"	"	"	"	
Lead	3.46	0.200	"	"	"	"	"	"	
Nickel	2.72	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	11.1	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHJ0178	10/03/24	10/04/24	EPA 7196A	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	50.6	0.0500	mg/L dry	1	BHJ0196	10/04/24	10/08/24	EPA 6020B	
Magnesium	6.42	0.0500	"	"	"	"	"	"	
Sodium	128	0.0500	"	"	"	"	"	"	

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Jepsen Excavation

Project Number: CO23-220
 Project Manager: Paul Henchan

Reported:
 10/08/24 16:02

BKG02 - 2ft
2410035-09 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	4.51	0.00100	units	1	BHJ0316	10/08/24	10/08/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	93.0		%	1	BHJ0149	10/03/24	10/04/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.89	0.0100	mmhos/cm	1	BHJ0244	10/06/24	10/07/24	EPA 120.1	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.66		pH Units	1	BHJ0243	10/06/24	10/07/24	EPA 9045D	

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

BKG02 - 3ft
2410035-10 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHJ0138	10/03/24	10/05/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	0.928	0.200	mg/kg dry	1	BHJ0194	10/04/24	10/05/24	EPA 6020B	
Barium	40.7	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	2.32	0.400	"	"	"	"	"	"	
Lead	2.99	0.200	"	"	"	"	"	"	
Nickel	2.53	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	10.1	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHJ0178	10/03/24	10/04/24	EPA 7196A	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	48.9	0.0500	mg/L dry	1	BHJ0196	10/04/24	10/08/24	EPA 6020B	
Magnesium	7.54	0.0500	"	"	"	"	"	"	
Sodium	55.3	0.0500	"	"	"	"	"	"	

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 PO Box 1289
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Project: Noble - Jepsen Excavation

Project Number: CO23-220
 Project Manager: Paul Henchan

Reported:
 10/08/24 16:02

BKG02 - 3ft
2410035-10 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	1.94	0.00100	units	1	BHJ0316	10/08/24	10/08/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	89.1		%	1	BHJ0149	10/03/24	10/04/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.797	0.0100	mmhos/cm	1	BHJ0244	10/06/24	10/07/24	EPA 120.1	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	9.50		pH Units	1	BHJ0243	10/06/24	10/07/24	EPA 9045D	

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PO Box 1289
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Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

BKG02 - 4ft
2410035-11 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHJ0138	10/03/24	10/05/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.05	0.200	mg/kg dry	1	BHJ0194	10/04/24	10/05/24	EPA 6020B	
Barium	32.2	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	2.32	0.400	"	"	"	"	"	"	
Lead	3.24	0.200	"	"	"	"	"	"	
Nickel	2.68	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	10.4	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHJ0178	10/03/24	10/04/24	EPA 7196A	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	86.6	0.0500	mg/L dry	1	BHJ0196	10/04/24	10/08/24	EPA 6020B	
Magnesium	7.91	0.0500	"	"	"	"	"	"	
Sodium	53.4	0.0500	"	"	"	"	"	"	

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 PO Box 1289
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Project: Noble - Jepsen Excavation
 Project Number: CO23-220
 Project Manager: Paul Henchan

Reported:
 10/08/24 16:02

**BKG02 - 4ft
 2410035-11 (Soil)**

Summit Scientific

Calculated Analysis

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	1.47	0.00100	units	1	BHJ0316	10/08/24	10/08/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	87.2		%	1	BHJ0149	10/03/24	10/04/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.866	0.0100	mmhos/cm	1	BHJ0244	10/06/24	10/07/24	EPA 120.1	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	9.39		pH Units	1	BHJ0243	10/06/24	10/07/24	EPA 9045D	

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Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

BKG02 - 5ft
2410035-12 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHJ0138	10/03/24	10/05/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	0.901	0.200	mg/kg dry	1	BHJ0194	10/04/24	10/05/24	EPA 6020B	
Barium	29.0	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	2.17	0.400	"	"	"	"	"	"	
Lead	3.08	0.200	"	"	"	"	"	"	
Nickel	2.23	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	9.34	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHJ0178	10/03/24	10/04/24	EPA 7196A	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	117	0.0500	mg/L dry	1	BHJ0196	10/04/24	10/08/24	EPA 6020B	
Magnesium	6.00	0.0500	"	"	"	"	"	"	
Sodium	22.7	0.0500	"	"	"	"	"	"	

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Fremont Environmental
 PO Box 1289
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Project: Noble - Jepsen Excavation

Project Number: CO23-220
 Project Manager: Paul Henchan

Reported:
 10/08/24 16:02

BKG02 - 5ft
2410035-12 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.555	0.00100	units	1	BHJ0316	10/08/24	10/08/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	85.3		%	1	BHJ0149	10/03/24	10/04/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.534	0.0100	mmhos/cm	1	BHJ0244	10/06/24	10/07/24	EPA 120.1	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.23		pH Units	1	BHJ0243	10/06/24	10/07/24	EPA 9045D	

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Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

BKG02 - 8ft
2410035-13 (Soil)

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Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHJ0138	10/03/24	10/05/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.01	0.200	mg/kg dry	1	BHJ0194	10/04/24	10/05/24	EPA 6020B	
Barium	37.9	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	2.56	0.400	"	"	"	"	"	"	
Lead	3.47	0.200	"	"	"	"	"	"	
Nickel	2.84	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	11.8	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHJ0178	10/03/24	10/04/24	EPA 7196A	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	73.5	0.0500	mg/L dry	1	BHJ0196	10/04/24	10/08/24	EPA 6020B	
Magnesium	5.20	0.0500	"	"	"	"	"	"	
Sodium	13.6	0.0500	"	"	"	"	"	"	

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Project: Noble - Jepsen Excavation

Project Number: CO23-220
 Project Manager: Paul Henchan

Reported:
 10/08/24 16:02

BKG02 - 8ft
2410035-13 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.413	0.00100	units	1	BHJ0316	10/08/24	10/08/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	84.6		%	1	BHJ0149	10/03/24	10/04/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.247	0.0100	mmhos/cm	1	BHJ0244	10/06/24	10/07/24	EPA 120.1	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.85		pH Units	1	BHJ0243	10/06/24	10/07/24	EPA 9045D	

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PO Box 1289
Wellington CO, 80549

Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

BKG02 - 9ft
2410035-14 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHJ0138	10/03/24	10/05/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	0.999	0.200	mg/kg dry	1	BHJ0194	10/04/24	10/05/24	EPA 6020B	
Barium	43.1	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	2.46	0.400	"	"	"	"	"	"	
Lead	3.48	0.200	"	"	"	"	"	"	
Nickel	3.05	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	12.2	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHJ0178	10/03/24	10/04/24	EPA 7196A	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	47.9	0.0500	mg/L dry	1	BHJ0196	10/04/24	10/08/24	EPA 6020B	
Magnesium	4.70	0.0500	"	"	"	"	"	"	
Sodium	23.1	0.0500	"	"	"	"	"	"	

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Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

BKG02 - 9ft
2410035-14 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.853	0.00100	units	1	BHJ0316	10/08/24	10/08/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	81.3		%	1	BHJ0149	10/03/24	10/04/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.295	0.0100	mmhos/cm	1	BHJ0244	10/06/24	10/07/24	EPA 120.1	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.94		pH Units	1	BHJ0243	10/06/24	10/07/24	EPA 9045D	

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PO Box 1289
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Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

BKG03 - 0.5ft
2410035-15 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHJ0138	10/03/24	10/05/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	0.832	0.200	mg/kg dry	1	BHJ0194	10/04/24	10/05/24	EPA 6020B	
Barium	16.7	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	2.17	0.400	"	"	"	"	"	"	
Lead	5.04	0.200	"	"	"	"	"	"	
Nickel	1.52	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	9.02	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHJ0178	10/03/24	10/04/24	EPA 7196A	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	28.5	0.0500	mg/L dry	1	BHJ0196	10/04/24	10/08/24	EPA 6020B	
Magnesium	3.05	0.0500	"	"	"	"	"	"	
Sodium	8.28	0.0500	"	"	"	"	"	"	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

BKG03 - 0.5ft
2410035-15 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.394	0.00100	units	1	BHJ0316	10/08/24	10/08/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	97.0		%	1	BHJ0149	10/03/24	10/04/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.335	0.0100	mmhos/cm	1	BHJ0244	10/06/24	10/07/24	EPA 120.1	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	5.73		pH Units	1	BHJ0243	10/06/24	10/07/24	EPA 9045D	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

BKG03 - 2ft
2410035-16 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHJ0138	10/03/24	10/05/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	0.839	0.200	mg/kg dry	1	BHJ0194	10/04/24	10/05/24	EPA 6020B	
Barium	19.2	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	2.01	0.400	"	"	"	"	"	"	
Lead	4.22	0.200	"	"	"	"	"	"	
Nickel	1.56	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	8.24	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHJ0178	10/03/24	10/04/24	EPA 7196A	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	55.0	0.0500	mg/L dry	1	BHJ0196	10/04/24	10/08/24	EPA 6020B	
Magnesium	2.36	0.0500	"	"	"	"	"	"	
Sodium	0.129	0.0500	"	"	"	"	"	"	

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

BKG03 - 2ft
2410035-16 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.00463	0.00100	units	1	BHJ0316	10/08/24	10/08/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	95.1		%	1	BHJ0149	10/03/24	10/04/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.0544	0.0100	mmhos/cm	1	BHJ0244	10/06/24	10/07/24	EPA 120.1	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	6.59		pH Units	1	BHJ0243	10/06/24	10/07/24	EPA 9045D	

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Fremont Environmental
PO Box 1289
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Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

BKG03 - 3ft
2410035-17 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHJ0138	10/03/24	10/05/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	0.861	0.200	mg/kg dry	1	BHJ0194	10/04/24	10/05/24	EPA 6020B	
Barium	22.2	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	2.18	0.400	"	"	"	"	"	"	
Lead	4.42	0.200	"	"	"	"	"	"	
Nickel	1.66	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	8.81	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHJ0178	10/03/24	10/04/24	EPA 7196A	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	64.5	0.0500	mg/L dry	1	BHJ0196	10/04/24	10/08/24	EPA 6020B	
Magnesium	2.48	0.0500	"	"	"	"	"	"	
Sodium	0.104	0.0500	"	"	"	"	"	"	

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PO Box 1289
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Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

BKG03 - 3ft
2410035-17 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.00346	0.00100	units	1	BHJ0316	10/08/24	10/08/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	92.7		%	1	BHJ0149	10/03/24	10/04/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	3.76	0.0100	mmhos/cm	1	BHJ0244	10/06/24	10/07/24	EPA 120.1	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	6.24		pH Units	1	BHJ0243	10/06/24	10/07/24	EPA 9045D	

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Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

BKG03 -4ft
2410035-18 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHJ0138	10/03/24	10/05/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	0.818	0.200	mg/kg dry	1	BHJ0194	10/04/24	10/05/24	EPA 6020B	
Barium	25.3	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	2.01	0.400	"	"	"	"	"	"	
Lead	2.58	0.200	"	"	"	"	"	"	
Nickel	1.89	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	8.56	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHJ0178	10/03/24	10/04/24	EPA 7196A	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	25.1	0.0500	mg/L dry	1	BHJ0196	10/04/24	10/08/24	EPA 6020B	
Magnesium	8.94	0.0500	"	"	"	"	"	"	
Sodium	0.689	0.0500	"	"	"	"	"	"	

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Fremont Environmental
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Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

BKG03 -4ft
2410035-18 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.0301	0.00100	units	1	BHJ0316	10/08/24	10/08/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	89.9		%	1	BHJ0149	10/03/24	10/04/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.0455	0.0100	mmhos/cm	1	BHJ0244	10/06/24	10/07/24	EPA 120.1	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.13		pH Units	1	BHJ0243	10/06/24	10/07/24	EPA 9045D	

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Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

BKG03 -5ft
2410035-19 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHJ0138	10/03/24	10/05/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	0.772	0.200	mg/kg dry	1	BHJ0194	10/04/24	10/05/24	EPA 6020B	
Barium	26.0	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	2.08	0.400	"	"	"	"	"	"	
Lead	2.53	0.200	"	"	"	"	"	"	
Nickel	1.88	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	8.61	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHJ0178	10/03/24	10/04/24	EPA 7196A	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	22.7	0.0500	mg/L dry	1	BHJ0196	10/04/24	10/08/24	EPA 6020B	
Magnesium	7.94	0.0500	"	"	"	"	"	"	
Sodium	0.717	0.0500	"	"	"	"	"	"	

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Fremont Environmental
 PO Box 1289
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Project: Noble - Jepsen Excavation

Project Number: CO23-220
 Project Manager: Paul Henchan

Reported:
 10/08/24 16:02

BKG03 -5ft
2410035-19 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.0330	0.00100	units	1	BHJ0316	10/08/24	10/08/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	89.7		%	1	BHJ0149	10/03/24	10/04/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.0453	0.0100	mmhos/cm	1	BHJ0244	10/06/24	10/07/24	EPA 120.1	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.04		pH Units	1	BHJ0243	10/06/24	10/07/24	EPA 9045D	

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Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

BKG03 -8ft
2410035-20 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHJ0138	10/03/24	10/05/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.03	0.200	mg/kg dry	1	BHJ0198	10/04/24	10/07/24	EPA 6020B	
Barium	29.8	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	2.44	0.400	"	"	"	"	"	"	
Lead	2.81	0.200	"	"	"	"	"	"	
Nickel	1.98	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	8.67	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHJ0178	10/03/24	10/04/24	EPA 7196A	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	87.3	0.0500	mg/L dry	1	BHJ0196	10/04/24	10/08/24	EPA 6020B	
Magnesium	5.38	0.0500	"	"	"	"	"	"	
Sodium	8.48	0.0500	"	"	"	"	"	"	

Summit Scientific

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 Wellington CO, 80549

Project: Noble - Jepsen Excavation

Project Number: CO23-220
 Project Manager: Paul Henchan

Reported:
 10/08/24 16:02

BKG03 -8ft
2410035-20 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.238	0.00100	units	1	BHJ0316	10/08/24	10/08/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	85.3		%	1	BHJ0149	10/03/24	10/04/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.171	0.0100	mmhos/cm	1	BHJ0244	10/06/24	10/07/24	EPA 120.1	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.43		pH Units	1	BHJ0243	10/06/24	10/07/24	EPA 9045D	

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Fremont Environmental
PO Box 1289
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Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

BKG03 -9ft
2410035-21 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHJ0138	10/03/24	10/05/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.55	0.200	mg/kg dry	1	BHJ0198	10/04/24	10/07/24	EPA 6020B	
Barium	42.6	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	3.06	0.400	"	"	"	"	"	"	
Lead	3.73	0.200	"	"	"	"	"	"	
Nickel	2.30	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	9.58	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHJ0179	10/03/24	10/04/24	EPA 7196A	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	92.4	0.0500	mg/L dry	1	BHJ0196	10/04/24	10/08/24	EPA 6020B	
Magnesium	4.15	0.0500	"	"	"	"	"	"	
Sodium	8.90	0.0500	"	"	"	"	"	"	

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Jepsen Excavation

Project Number: CO23-220
 Project Manager: Paul Henchan

Reported:
 10/08/24 16:02

BKG03 -9ft
2410035-21 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.246	0.00100	units	1	BHJ0316	10/08/24	10/08/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	86.7		%	1	BHJ0149	10/03/24	10/04/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.221	0.0100	mmhos/cm	1	BHJ0244	10/06/24	10/07/24	EPA 120.1	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.55		pH Units	1	BHJ0243	10/06/24	10/07/24	EPA 9045D	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

BKG04 - 0.5ft
2410035-22 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHJ0138	10/03/24	10/05/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	0.984	0.179	mg/kg dry	1	BHJ0198	10/04/24	10/07/24	EPA 6020B	
Barium	20.6	0.357	"	"	"	"	"	"	
Cadmium	ND	0.179	"	"	"	"	"	"	
Copper	3.01	0.357	"	"	"	"	"	"	
Lead	4.97	0.179	"	"	"	"	"	"	
Nickel	1.68	0.357	"	"	"	"	"	"	
Silver	ND	0.0179	"	"	"	"	"	"	
Zinc	10.2	0.357	"	"	"	"	"	"	
Selenium	ND	0.232	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHJ0179	10/03/24	10/04/24	EPA 7196A	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	39.1	0.0500	mg/L dry	1	BHJ0196	10/04/24	10/08/24	EPA 6020B	
Magnesium	3.64	0.0500	"	"	"	"	"	"	
Sodium	5.86	0.0500	"	"	"	"	"	"	

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Jepsen Excavation

Project Number: CO23-220
 Project Manager: Paul Henchan

Reported:
 10/08/24 16:02

BKG04 - 0.5ft
2410035-22 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.240	0.00100	units	1	BHJ0316	10/08/24	10/08/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	97.3		%	1	BHJ0149	10/03/24	10/04/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.366	0.0100	mmhos/cm	1	BHJ0244	10/06/24	10/07/24	EPA 120.1	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	5.33		pH Units	1	BHJ0243	10/06/24	10/07/24	EPA 9045D	

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

BKG04 - 2ft
2410035-23 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHJ0139	10/03/24	10/04/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	0.996	0.200	mg/kg dry	1	BHJ0198	10/04/24	10/07/24	EPA 6020B	
Barium	31.1	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	2.99	0.400	"	"	"	"	"	"	
Lead	2.89	0.200	"	"	"	"	"	"	
Nickel	1.93	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	8.67	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHJ0179	10/03/24	10/04/24	EPA 7196A	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	61.1	0.0500	mg/L dry	1	BHJ0196	10/04/24	10/08/24	EPA 6020B	
Magnesium	6.22	0.0500	"	"	"	"	"	"	
Sodium	112	0.0500	"	"	"	"	"	"	

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Fremont Environmental
 PO Box 1289
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Project: Noble - Jepsen Excavation

Project Number: CO23-220
 Project Manager: Paul Henchan

Reported:
 10/08/24 16:02

BKG04 - 2ft
2410035-23 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	3.65	0.00100	units	1	BHJ0316	10/08/24	10/08/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	96.6		%	1	BHJ0149	10/03/24	10/04/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.81	0.0100	mmhos/cm	1	BHJ0244	10/06/24	10/07/24	EPA 120.1	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.70		pH Units	1	BHJ0243	10/06/24	10/07/24	EPA 9045D	

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

BKG04 - 3ft
2410035-24 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	3.22	2.00	mg/L	1	BHJ0139	10/03/24	10/04/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.20	0.200	mg/kg dry	1	BHJ0198	10/04/24	10/07/24	EPA 6020B	
Barium	34.4	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	3.43	0.400	"	"	"	"	"	"	
Lead	3.41	0.200	"	"	"	"	"	"	
Nickel	2.37	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	10.3	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHJ0179	10/03/24	10/04/24	EPA 7196A	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	73.7	0.0500	mg/L dry	1	BHJ0196	10/04/24	10/08/24	EPA 6020B	
Magnesium	5.77	0.0500	"	"	"	"	"	"	
Sodium	92.7	0.0500	"	"	"	"	"	"	

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Fremont Environmental
 PO Box 1289
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Project: Noble - Jepsen Excavation

Project Number: CO23-220
 Project Manager: Paul Henchan

Reported:
 10/08/24 16:02

BKG04 - 3ft
2410035-24 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	2.80	0.00100	units	1	BHJ0316	10/08/24	10/08/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	93.5		%	1	BHJ0149	10/03/24	10/04/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	2.33	0.0100	mmhos/cm	1	BHJ0244	10/06/24	10/07/24	EPA 120.1	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	9.38		pH Units	1	BHJ0243	10/06/24	10/07/24	EPA 9045D	

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

BKG04 - 4ft
2410035-25 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	3.78	2.00	mg/L	1	BHJ0139	10/03/24	10/04/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.38	0.200	mg/kg dry	1	BHJ0198	10/04/24	10/07/24	EPA 6020B	
Barium	38.8	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	3.46	0.400	"	"	"	"	"	"	
Lead	3.63	0.200	"	"	"	"	"	"	
Nickel	2.57	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	11.0	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHJ0179	10/03/24	10/04/24	EPA 7196A	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	59.3	0.0500	mg/L dry	1	BHJ0196	10/04/24	10/08/24	EPA 6020B	
Magnesium	7.15	0.0500	"	"	"	"	"	"	
Sodium	78.7	0.0500	"	"	"	"	"	"	

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Project: Noble - Jepsen Excavation

Project Number: CO23-220
 Project Manager: Paul Henchan

Reported:
 10/08/24 16:02

BKG04 - 4ft
2410035-25 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	2.57	0.00100	units	1	BHJ0316	10/08/24	10/08/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	92.2		%	1	BHJ0149	10/03/24	10/04/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.40	0.0100	mmhos/cm	1	BHJ0244	10/06/24	10/07/24	EPA 120.1	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	9.81		pH Units	1	BHJ0243	10/06/24	10/07/24	EPA 9045D	

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PO Box 1289
Wellington CO, 80549

Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

BKG04 - 5ft
2410035-26 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	2.16	2.00	mg/L	1	BHJ0139	10/03/24	10/04/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.33	0.200	mg/kg dry	1	BHJ0198	10/04/24	10/07/24	EPA 6020B	
Barium	38.2	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	3.21	0.400	"	"	"	"	"	"	
Lead	3.34	0.200	"	"	"	"	"	"	
Nickel	2.57	0.400	"	"	"	"	"	"	
Silver	0.0223	0.0200	"	"	"	"	"	"	
Zinc	10.9	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHJ0179	10/03/24	10/04/24	EPA 7196A	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	69.1	0.0500	mg/L dry	1	BHJ0196	10/04/24	10/08/24	EPA 6020B	
Magnesium	9.29	0.0500	"	"	"	"	"	"	
Sodium	77.2	0.0500	"	"	"	"	"	"	

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Jepsen Excavation

Project Number: CO23-220
 Project Manager: Paul Henchan

Reported:
 10/08/24 16:02

BKG04 - 5ft
2410035-26 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	2.31	0.00100	units	1	BHJ0316	10/08/24	10/08/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	85.9		%	1	BHJ0149	10/03/24	10/04/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.830	0.0100	mmhos/cm	1	BHJ0244	10/06/24	10/07/24	EPA 120.1	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	9.57		pH Units	1	BHJ0243	10/06/24	10/07/24	EPA 9045D	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

BKG04 - 8ft
2410035-27 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHJ0139	10/03/24	10/04/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.21	0.200	mg/kg dry	1	BHJ0198	10/04/24	10/07/24	EPA 6020B	
Barium	33.5	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	2.93	0.400	"	"	"	"	"	"	
Lead	3.11	0.200	"	"	"	"	"	"	
Nickel	2.23	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	9.69	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHJ0179	10/03/24	10/04/24	EPA 7196A	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	108	0.0500	mg/L dry	1	BHJ0196	10/04/24	10/08/24	EPA 6020B	
Magnesium	5.22	0.0500	"	"	"	"	"	"	
Sodium	1.19	0.0500	"	"	"	"	"	"	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

BKG04 - 8ft
2410035-27 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.0303	0.00100	units	1	BHJ0316	10/08/24	10/08/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	82.4		%	1	BHJ0149	10/03/24	10/04/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.105	0.0100	mmhos/cm	1	BHJ0244	10/06/24	10/07/24	EPA 120.1	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.73		pH Units	1	BHJ0243	10/06/24	10/07/24	EPA 9045D	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

BKG04 - 9ft
2410035-28 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHJ0139	10/03/24	10/04/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.24	0.200	mg/kg dry	1	BHJ0198	10/04/24	10/07/24	EPA 6020B	
Barium	34.9	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	3.21	0.400	"	"	"	"	"	"	
Lead	4.05	0.200	"	"	"	"	"	"	
Nickel	2.29	0.400	"	"	"	"	"	"	
Silver	0.0212	0.0200	"	"	"	"	"	"	
Zinc	10.1	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHJ0179	10/03/24	10/04/24	EPA 7196A	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	117	0.0500	mg/L dry	1	BHJ0196	10/04/24	10/08/24	EPA 6020B	
Magnesium	4.58	0.0500	"	"	"	"	"	"	
Sodium	6.69	0.0500	"	"	"	"	"	"	

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Jepsen Excavation

Project Number: CO23-220
 Project Manager: Paul Henchan

Reported:
 10/08/24 16:02

BKG04 - 9ft
2410035-28 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.165	0.00100	units	1	BHJ0316	10/08/24	10/08/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	89.6		%	1	BHJ0149	10/03/24	10/04/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.203	0.0100	mmhos/cm	1	BHJ0244	10/06/24	10/07/24	EPA 120.1	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.69		pH Units	1	BHJ0243	10/06/24	10/07/24	EPA 9045D	

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PO Box 1289
Wellington CO, 80549

Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

BKG05 - 0.5ft
2410035-29 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHJ0139	10/03/24	10/04/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.00	0.200	mg/kg dry	1	BHJ0198	10/04/24	10/07/24	EPA 6020B	
Barium	17.7	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	2.75	0.400	"	"	"	"	"	"	
Lead	4.75	0.200	"	"	"	"	"	"	
Nickel	1.48	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	8.24	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHJ0179	10/03/24	10/04/24	EPA 7196A	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	28.4	0.0500	mg/L dry	1	BHJ0196	10/04/24	10/08/24	EPA 6020B	
Magnesium	1.82	0.0500	"	"	"	"	"	"	
Sodium	7.24	0.0500	"	"	"	"	"	"	

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 PO Box 1289
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Project: Noble - Jepsen Excavation

Project Number: CO23-220
 Project Manager: Paul Henchan

Reported:
 10/08/24 16:02

BKG05 - 0.5ft
2410035-29 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.356	0.00100	units	1	BHJ0316	10/08/24	10/08/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	96.5		%	1	BHJ0149	10/03/24	10/04/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.235	0.0100	mmhos/cm	1	BHJ0244	10/06/24	10/07/24	EPA 120.1	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	6.43		pH Units	1	BHJ0243	10/06/24	10/07/24	EPA 9045D	

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PO Box 1289
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Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

BKG05 - 2ft
2410035-30 (Soil)

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Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHJ0139	10/03/24	10/04/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	0.999	0.200	mg/kg dry	1	BHJ0198	10/04/24	10/07/24	EPA 6020B	
Barium	28.8	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	2.82	0.400	"	"	"	"	"	"	
Lead	2.76	0.200	"	"	"	"	"	"	
Nickel	1.91	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	8.74	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHJ0179	10/03/24	10/04/24	EPA 7196A	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	79.3	0.0500	mg/L dry	1	BHJ0196	10/04/24	10/08/24	EPA 6020B	
Magnesium	13.9	0.0500	"	"	"	"	"	"	
Sodium	184	0.0500	"	"	"	"	"	"	

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Project: Noble - Jepsen Excavation

Project Number: CO23-220
 Project Manager: Paul Henchan

Reported:
 10/08/24 16:02

BKG05 - 2ft
2410035-30 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	5.01	0.00100	units	1	BHJ0316	10/08/24	10/08/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	97.2		%	1	BHJ0149	10/03/24	10/04/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.71	0.0100	mmhos/cm	1	BHJ0244	10/06/24	10/07/24	EPA 120.1	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	6.63		pH Units	1	BHJ0243	10/06/24	10/07/24	EPA 9045D	

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Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

BKG05 - 3ft
2410035-31 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	2.00	2.00	mg/L	1	BHJ0139	10/03/24	10/04/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.04	0.200	mg/kg dry	1	BHJ0198	10/04/24	10/07/24	EPA 6020B	
Barium	31.9	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	3.10	0.400	"	"	"	"	"	"	
Lead	3.15	0.200	"	"	"	"	"	"	
Nickel	2.14	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	9.58	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHJ0179	10/03/24	10/04/24	EPA 7196A	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	55.6	0.0500	mg/L dry	1	BHJ0197	10/04/24	10/07/24	EPA 6020B	
Magnesium	19.9	0.0500	"	"	"	"	"	"	
Sodium	475	0.0500	"	"	"	"	"	"	

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Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

BKG05 - 3ft
2410035-31 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	13.9	0.00100	units	1	BHJ0304	10/08/24	10/08/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	94.0		%	1	BHJ0174	10/03/24	10/04/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	2.00	0.0100	mmhos/cm	1	BHJ0246	10/06/24	10/07/24	EPA 120.1	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	9.04		pH Units	1	BHJ0247	10/06/24	10/07/24	EPA 9045D	

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Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

BKG05 - 4ft
2410035-32 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	7.95	2.00	mg/L	1	BHJ0139	10/03/24	10/04/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.61	0.200	mg/kg dry	1	BHJ0198	10/04/24	10/07/24	EPA 6020B	
Barium	40.8	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	3.81	0.400	"	"	"	"	"	"	
Lead	3.81	0.200	"	"	"	"	"	"	
Nickel	2.77	0.400	"	"	"	"	"	"	
Silver	0.0217	0.0200	"	"	"	"	"	"	
Zinc	12.3	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHJ0179	10/03/24	10/04/24	EPA 7196A	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	66.7	0.0500	mg/L dry	1	BHJ0197	10/04/24	10/07/24	EPA 6020B	
Magnesium	57.0	0.0500	"	"	"	"	"	"	
Sodium	507	0.0500	"	"	"	"	"	"	

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Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

BKG05 - 4ft
2410035-32 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	11.0	0.00100	units	1	BHJ0304	10/08/24	10/08/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	88.8		%	1	BHJ0174	10/03/24	10/04/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.38	0.0100	mmhos/cm	1	BHJ0246	10/06/24	10/07/24	EPA 120.1	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	10.0		pH Units	1	BHJ0247	10/06/24	10/07/24	EPA 9045D	

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PO Box 1289
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Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

BKG05 - 5ft
2410035-33 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHJ0139	10/03/24	10/04/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.21	0.200	mg/kg dry	1	BHJ0198	10/04/24	10/07/24	EPA 6020B	
Barium	34.8	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	3.08	0.400	"	"	"	"	"	"	
Lead	3.14	0.200	"	"	"	"	"	"	
Nickel	2.58	0.400	"	"	"	"	"	"	
Silver	0.0249	0.0200	"	"	"	"	"	"	
Zinc	10.2	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHJ0179	10/03/24	10/04/24	EPA 7196A	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	95.4	0.0500	mg/L dry	1	BHJ0197	10/04/24	10/07/24	EPA 6020B	
Magnesium	35.7	0.0500	"	"	"	"	"	"	
Sodium	264	0.0500	"	"	"	"	"	"	

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Project: Noble - Jepsen Excavation

Project Number: CO23-220
 Project Manager: Paul Henchan

Reported:
 10/08/24 16:02

BKG05 - 5ft
2410035-33 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	5.85	0.00100	units	1	BHJ0304	10/08/24	10/08/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	85.5		%	1	BHJ0174	10/03/24	10/04/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.698	0.0100	mmhos/cm	1	BHJ0246	10/06/24	10/07/24	EPA 120.1	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	9.69		pH Units	1	BHJ0247	10/06/24	10/07/24	EPA 9045D	

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Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

BKG05 - 8ft
2410035-34 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHJ0139	10/03/24	10/04/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.51	0.200	mg/kg dry	1	BHJ0198	10/04/24	10/07/24	EPA 6020B	
Barium	48.6	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	2.89	0.400	"	"	"	"	"	"	
Lead	3.96	0.200	"	"	"	"	"	"	
Nickel	2.99	0.400	"	"	"	"	"	"	
Silver	0.0201	0.0200	"	"	"	"	"	"	
Zinc	11.9	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHJ0179	10/03/24	10/04/24	EPA 7196A	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	88.2	0.0500	mg/L dry	1	BHJ0197	10/04/24	10/07/24	EPA 6020B	
Magnesium	26.1	0.0500	"	"	"	"	"	"	
Sodium	49.6	0.0500	"	"	"	"	"	"	

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Project: Noble - Jepsen Excavation

Project Number: CO23-220
 Project Manager: Paul Henchan

Reported:
 10/08/24 16:02

BKG05 - 8ft
2410035-34 (Soil)

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Calculated Analysis

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	1.19	0.00100	units	1	BHJ0304	10/08/24	10/08/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	84.0		%	1	BHJ0174	10/03/24	10/04/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.214	0.0100	mmhos/cm	1	BHJ0246	10/06/24	10/07/24	EPA 120.1	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.93		pH Units	1	BHJ0247	10/06/24	10/07/24	EPA 9045D	

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Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

BKG05 - 9ft
2410035-35 (Soil)

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Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHJ0139	10/03/24	10/04/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.33	0.200	mg/kg dry	1	BHJ0198	10/04/24	10/07/24	EPA 6020B	
Barium	35.0	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	3.30	0.400	"	"	"	"	"	"	
Lead	4.09	0.200	"	"	"	"	"	"	
Nickel	2.32	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	10.5	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHJ0179	10/03/24	10/04/24	EPA 7196A	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	125	0.0500	mg/L dry	1	BHJ0197	10/04/24	10/07/24	EPA 6020B	
Magnesium	22.3	0.0500	"	"	"	"	"	"	
Sodium	36.6	0.0500	"	"	"	"	"	"	

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Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

BKG05 - 9ft
2410035-35 (Soil)

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Calculated Analysis

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.792	0.00100	units	1	BHJ0304	10/08/24	10/08/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	86.2		%	1	BHJ0174	10/03/24	10/04/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.266	0.0100	mmhos/cm	1	BHJ0246	10/06/24	10/07/24	EPA 120.1	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.73		pH Units	1	BHJ0247	10/06/24	10/07/24	EPA 9045D	

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Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

Backfill
2410035-36 (Soil)

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Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHJ0139	10/03/24	10/04/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	3.60	0.179	mg/kg dry	1	BHJ0198	10/04/24	10/07/24	EPA 6020B	
Barium	70.7	0.357	"	"	"	"	"	"	
Cadmium	0.196	0.179	"	"	"	"	"	"	
Copper	8.54	0.357	"	"	"	"	"	"	
Lead	6.95	0.179	"	"	"	"	"	"	
Nickel	4.54	0.357	"	"	"	"	"	"	
Silver	0.0224	0.0179	"	"	"	"	"	"	
Zinc	16.7	0.357	"	"	"	"	"	"	
Selenium	ND	0.232	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHJ0179	10/03/24	10/04/24	EPA 7196A	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	1990	0.0500	mg/L dry	1	BHJ0197	10/04/24	10/07/24	EPA 6020B	
Magnesium	159	0.0500	"	"	"	"	"	"	
Sodium	121	0.0500	"	"	"	"	"	"	

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Project: Noble - Jepsen Excavation

Project Number: CO23-220
 Project Manager: Paul Henchan

Reported:
 10/08/24 16:02

Backfill
2410035-36 (Soil)

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Calculated Analysis

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.702	0.00100	units	1	BHJ0304	10/08/24	10/08/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	94.3		%	1	BHJ0174	10/03/24	10/04/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.458	0.0100	mmhos/cm	1	BHJ0246	10/06/24	10/07/24	EPA 120.1	

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

Date Sampled: **10/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	9.23		pH Units	1	BHJ0247	10/06/24	10/07/24	EPA 9045D	

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Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

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

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

Batch BHJ0138 - EPA 3050B

Blank (BHJ0138-BLK1)										
					Prepared: 10/03/24 Analyzed: 10/05/24					
Boron	ND	2.00	mg/L							
LCS (BHJ0138-BS1)										
					Prepared: 10/03/24 Analyzed: 10/05/24					
Boron	5.03	2.00	mg/L	5.00	101	80-120				
Duplicate (BHJ0138-DUP1)										
					Source: 2410035-01 Prepared: 10/03/24 Analyzed: 10/05/24					
Boron	0.291	2.00	mg/L	0.261			10.8	20		
Matrix Spike (BHJ0138-MS1)										
					Source: 2410035-01 Prepared: 10/03/24 Analyzed: 10/05/24					
Boron	5.35	2.00	mg/L	5.00	0.261	102	75-125			
Matrix Spike Dup (BHJ0138-MSD1)										
					Source: 2410035-01 Prepared: 10/03/24 Analyzed: 10/05/24					
Boron	5.51	2.00	mg/L	5.00	0.261	105	75-125	3.06	25	

Batch BHJ0139 - EPA 3050B

Blank (BHJ0139-BLK1)										
					Prepared: 10/03/24 Analyzed: 10/04/24					
Boron	ND	2.00	mg/L							
LCS (BHJ0139-BS1)										
					Prepared: 10/03/24 Analyzed: 10/04/24					
Boron	4.80	2.00	mg/L	5.00	96.0	80-120				
Duplicate (BHJ0139-DUP1)										
					Source: 2410035-23 Prepared: 10/03/24 Analyzed: 10/04/24					
Boron	0.400	2.00	mg/L	0.425			6.15	20		
Matrix Spike (BHJ0139-MS1)										
					Source: 2410035-23 Prepared: 10/03/24 Analyzed: 10/04/24					
Boron	5.58	2.00	mg/L	5.04	0.425	102	75-125			

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Project: Noble - Jepsen Excavation

Project Number: CO23-220
 Project Manager: Paul Henchan

Reported:
 10/08/24 16:02

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

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

Batch BHJ0139 - EPA 3050B

Matrix Spike Dup (BHJ0139-MSD1)

Source: 2410035-23

Prepared: 10/03/24 Analyzed: 10/04/24

Boron	5.69	2.00	mg/L	5.04	0.425	105	75-125	2.06	25	
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Project: Noble - Jepsen Excavation

Project Number: CO23-220
 Project Manager: Paul Henchan

Reported:
 10/08/24 16:02

Total Metals by EPA 6020B - Quality Control
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Analyte	Result	Reporting		Spike	Source	%REC		RPD		Notes
		Limit	Units	Level	Result	%REC	Limits	RPD	Limit	

Batch BHJ0194 - EPA 3050B

Blank (BHJ0194-BLK1)

Prepared: 10/04/24 Analyzed: 10/05/24

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

LCS (BHJ0194-BS1)

Prepared: 10/04/24 Analyzed: 10/05/24

Arsenic	31.2	0.200	mg/kg wet	37.0	84.4	80-120
Barium	32.4	0.400	"	37.0	87.5	80-120
Cadmium	1.68	0.200	"	1.85	90.8	80-120
Copper	36.0	0.400	"	37.0	97.2	80-120
Lead	16.4	0.200	"	18.5	88.3	80-120
Nickel	35.5	0.400	"	37.0	95.8	80-120
Silver	1.68	0.0200	"	1.85	90.8	80-120
Zinc	36.2	0.400	"	37.0	97.8	80-120
Selenium	3.01	0.260	"	3.70	81.2	80-120

Duplicate (BHJ0194-DUP1)

Source: 2410035-01

Prepared: 10/04/24 Analyzed: 10/05/24

Arsenic	0.907	0.200	mg/kg dry	0.905	0.274	20
Barium	18.2	0.400	"	17.8	2.31	20
Cadmium	0.135	0.200	"	0.138	2.06	20
Copper	2.32	0.400	"	2.38	2.63	20
Lead	5.91	0.200	"	6.22	5.12	20
Nickel	1.53	0.400	"	1.58	3.12	20
Silver	0.0115	0.0200	"	0.0118	2.54	20
Zinc	9.62	0.400	"	9.99	3.73	20
Selenium	ND	0.260	"	ND		20

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Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

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 BHJ0194 - EPA 3050B

Matrix Spike (BHJ0194-MS1)

Source: 2410035-01

Prepared: 10/04/24 Analyzed: 10/05/24

Arsenic	33.8	0.200	mg/kg dry	40.1	0.905	82.0	75-125			
Barium	51.7	0.400	"	40.1	17.8	84.5	75-125			
Cadmium	1.97	0.200	"	2.01	0.138	91.3	75-125			
Copper	33.5	0.400	"	40.1	2.38	77.5	75-125			
Lead	22.9	0.200	"	20.1	6.22	83.1	75-125			
Nickel	32.8	0.400	"	40.1	1.58	77.8	75-125			
Silver	1.75	0.0200	"	2.01	0.0118	86.8	75-125			
Zinc	41.6	0.400	"	40.1	9.99	78.9	75-125			
Selenium	3.13	0.260	"	4.01	ND	77.9	75-125			

Matrix Spike Dup (BHJ0194-MSD1)

Source: 2410035-01

Prepared: 10/04/24 Analyzed: 10/05/24

Arsenic	31.1	0.200	mg/kg dry	38.1	0.905	79.4	75-125	8.27	25	
Barium	48.4	0.400	"	38.1	17.8	80.3	75-125	6.70	25	
Cadmium	1.86	0.200	"	1.90	0.138	90.4	75-125	5.87	25	
Copper	30.3	0.400	"	38.1	2.38	73.2	75-125	10.2	25	QM-05
Lead	21.7	0.200	"	19.0	6.22	81.3	75-125	5.45	25	
Nickel	29.3	0.400	"	38.1	1.58	72.9	75-125	11.1	25	QM-05
Silver	1.65	0.0200	"	1.90	0.0118	86.3	75-125	5.83	25	
Zinc	38.1	0.400	"	38.1	9.99	73.8	75-125	8.93	25	QM-05
Selenium	2.95	0.260	"	3.81	ND	77.6	75-125	5.64	25	

Batch BHJ0198 - EPA 3050B

Blank (BHJ0198-BLK1)

Prepared: 10/04/24 Analyzed: 10/07/24

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

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Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

Total Metals by EPA 6020B - Quality Control
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Analyte	Reporting			Spike	Source		%REC		RPD		Notes
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit		

Batch BHJ0198 - EPA 3050B

LCS (BHJ0198-BS1)

Prepared: 10/04/24 Analyzed: 10/07/24

Arsenic	38.9	0.200	mg/kg wet	37.3		104	80-120			
Barium	38.9	0.400	"	37.3		104	80-120			
Cadmium	1.84	0.200	"	1.87		98.4	80-120			
Copper	38.3	0.400	"	37.3		103	80-120			
Lead	18.4	0.200	"	18.7		98.4	80-120			
Nickel	36.2	0.400	"	37.3		97.0	80-120			
Silver	1.85	0.0200	"	1.87		99.2	80-120			
Zinc	36.6	0.400	"	37.3		98.1	80-120			
Selenium	4.06	0.260	"	3.73		109	80-120			

Duplicate (BHJ0198-DUP1)

Source: 2410035-20

Prepared: 10/04/24 Analyzed: 10/07/24

Arsenic	0.956	0.200	mg/kg dry		1.03			7.52	20	
Barium	33.8	0.400	"		29.8			12.4	20	
Cadmium	0.0673	0.200	"		0.0673			0.0252	20	
Copper	2.58	0.400	"		2.44			5.55	20	
Lead	2.81	0.200	"		2.81			0.279	20	
Nickel	1.98	0.400	"		1.98			0.000853	20	
Silver	0.0208	0.0200	"		0.0183			12.9	20	
Zinc	9.04	0.400	"		8.67			4.24	20	
Selenium	ND	0.260	"		ND				20	

Matrix Spike (BHJ0198-MS1)

Source: 2410035-20

Prepared: 10/04/24 Analyzed: 10/07/24

Arsenic	49.1	0.200	mg/kg dry	45.8	1.03	105	75-125			
Barium	76.5	0.400	"	45.8	29.8	102	75-125			
Cadmium	2.32	0.200	"	2.29	0.0673	98.2	75-125			
Copper	48.8	0.400	"	45.8	2.44	101	75-125			
Lead	25.6	0.200	"	22.9	2.81	99.5	75-125			
Nickel	36.3	0.400	"	45.8	1.98	75.0	75-125			
Silver	2.20	0.0200	"	2.29	0.0183	95.5	75-125			
Zinc	43.9	0.400	"	45.8	8.67	77.0	75-125			
Selenium	4.70	0.260	"	4.58	ND	103	75-125			

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Project: Noble - Jepsen Excavation

Project Number: CO23-220
 Project Manager: Paul Henchan

Reported:
 10/08/24 16:02

Total Metals by EPA 6020B - Quality Control


Summit Scientific

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

Batch BHJ0198 - EPA 3050B

Matrix Spike Dup (BHJ0198-MSD1)	Source: 2410035-20			Prepared: 10/04/24 Analyzed: 10/07/24							
Arsenic	47.4	0.200	mg/kg dry	44.7	1.03	104	75-125	3.38	25		
Barium	75.5	0.400	"	44.7	29.8	102	75-125	1.34	25		
Cadmium	2.23	0.200	"	2.24	0.0673	96.6	75-125	3.91	25		
Copper	47.7	0.400	"	44.7	2.44	101	75-125	2.37	25		
Lead	24.4	0.200	"	22.4	2.81	96.3	75-125	4.94	25		
Nickel	35.9	0.400	"	44.7	1.98	75.8	75-125	1.19	25		
Silver	2.15	0.0200	"	2.24	0.0183	95.2	75-125	2.57	25		
Zinc	43.7	0.400	"	44.7	8.67	78.2	75-125	0.596	25		
Selenium	4.47	0.260	"	4.47	ND	99.9	75-125	5.09	25		

Summit Scientific



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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Jepsen Excavation

Project Number: CO23-220
 Project Manager: Paul Henchan

Reported:
 10/08/24 16:02

Hexavalent Chromium by EPA Method 7196 - Quality Control
Summit Scientific

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

Batch BHJ0178 - 3060A Mod

Blank (BHJ0178-BLK1)											
Prepared: 10/03/24 Analyzed: 10/04/24											
Chromium, Hexavalent	ND	0.30	mg/kg wet								
LCS (BHJ0178-BS1)											
Prepared: 10/03/24 Analyzed: 10/04/24											
Chromium, Hexavalent	27.5	0.30	mg/kg wet	25.0	110	80-120					
Duplicate (BHJ0178-DUP1)											
Source: 2410035-01 Prepared: 10/03/24 Analyzed: 10/04/24											
Chromium, Hexavalent	ND	0.30	mg/kg dry		ND					20	
Matrix Spike (BHJ0178-MS1)											
Source: 2410035-01 Prepared: 10/03/24 Analyzed: 10/04/24											
Chromium, Hexavalent	27.6	0.30	mg/kg dry	25.9	ND	107	75-125				
Matrix Spike Dup (BHJ0178-MSD1)											
Source: 2410035-01 Prepared: 10/03/24 Analyzed: 10/04/24											
Chromium, Hexavalent	26.6	0.30	mg/kg dry	25.9	ND	103	75-125	3.63		20	

Batch BHJ0179 - 3060A Mod

Blank (BHJ0179-BLK1)											
Prepared: 10/03/24 Analyzed: 10/04/24											
Chromium, Hexavalent	ND	0.30	mg/kg wet								
LCS (BHJ0179-BS1)											
Prepared: 10/03/24 Analyzed: 10/04/24											
Chromium, Hexavalent	26.2	0.30	mg/kg wet	25.0	105	80-120					
Duplicate (BHJ0179-DUP1)											
Source: 2410035-21 Prepared: 10/03/24 Analyzed: 10/04/24											
Chromium, Hexavalent	ND	0.30	mg/kg dry		ND					20	
Matrix Spike (BHJ0179-MS1)											
Source: 2410035-21 Prepared: 10/03/24 Analyzed: 10/04/24											
Chromium, Hexavalent	31.1	0.30	mg/kg dry	28.8	ND	108	75-125				

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Project: Noble - Jepsen Excavation

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 Project Manager: Paul Henchan

Reported:
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Hexavalent Chromium by EPA Method 7196 - Quality Control

Summit Scientific

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

Batch BHJ0179 - 3060A Mod

Matrix Spike Dup (BHJ0179-MSD1)

Source: 2410035-21

Prepared: 10/03/24 Analyzed: 10/04/24

Chromium, Hexavalent	30.2	0.30	mg/kg dry	28.8	ND	105	75-125	3.01	20	
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Project: Noble - Jepsen Excavation

Project Number: CO23-220
 Project Manager: Paul Henchan

Reported:
 10/08/24 16:02

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 BHJ0196 - General Preparation

Blank (BHJ0196-BLK1)

Prepared: 10/04/24 Analyzed: 10/07/24

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

LCS (BHJ0196-BS1)

Prepared: 10/04/24 Analyzed: 10/07/24

Calcium	5.62	0.0500	mg/L wet	5.00	112	70-130				
Magnesium	5.26	0.0500	"	5.00	105	70-130				
Sodium	5.16	0.0500	"	5.00	103	70-130				

Batch BHJ0197 - General Preparation

Blank (BHJ0197-BLK1)

Prepared: 10/04/24 Analyzed: 10/07/24

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

LCS (BHJ0197-BS1)

Prepared: 10/04/24 Analyzed: 10/07/24

Calcium	5.46	0.0500	mg/L wet	5.00	109	70-130				
Magnesium	5.00	0.0500	"	5.00	100	70-130				
Sodium	5.06	0.0500	"	5.00	101	70-130				

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Project: Noble - Jepsen Excavation

Project Number: CO23-220
 Project Manager: Paul Henchan

Reported:
 10/08/24 16:02

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

Summit Scientific

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

Batch BHJ0149 - General Preparation

Duplicate (BHJ0149-DUP1)	Source: 2410035-01		Prepared: 10/03/24 Analyzed: 10/04/24		
% Solids	96.6	%	96.6	0.0225	20

Batch BHJ0174 - General Preparation

Duplicate (BHJ0174-DUP1)	Source: 2410027-01		Prepared: 10/03/24 Analyzed: 10/04/24		
% Solids	84.3	%	86.3	2.27	20

Summit Scientific

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Project: Noble - Jepsen Excavation

Project Number: CO23-220
 Project Manager: Paul Henchan

Reported:
 10/08/24 16:02

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

Summit Scientific

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

Batch BHJ0244 - General Preparation

Blank (BHJ0244-BLK1)

Prepared: 10/06/24 Analyzed: 10/07/24

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BHJ0244-BS1)

Prepared: 10/06/24 Analyzed: 10/07/24

Specific Conductance (EC) 0.158 0.0100 mmhos/cm 0.150 105 95-105

Duplicate (BHJ0244-DUP1)

Source: 2410035-01

Prepared: 10/06/24 Analyzed: 10/07/24

Specific Conductance (EC) 0.436 0.0100 mmhos/cm 0.473 8.09 20

Batch BHJ0246 - General Preparation

Blank (BHJ0246-BLK1)

Prepared: 10/06/24 Analyzed: 10/07/24

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BHJ0246-BS1)

Prepared: 10/06/24 Analyzed: 10/07/24

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

Duplicate (BHJ0246-DUP1)

Source: 2410035-31

Prepared: 10/06/24 Analyzed: 10/07/24

Specific Conductance (EC) 2.00 0.0100 mmhos/cm 2.00 0.00 20

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Project: Noble - Jepsen Excavation

Project Number: CO23-220
 Project Manager: Paul Henchan

Reported:
 10/08/24 16:02

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 BHJ0243 - General Preparation

LCS (BHJ0243-BS1)

Prepared: 10/06/24 Analyzed: 10/07/24

pH 9.21 pH Units 9.18 100 95-105

Duplicate (BHJ0243-DUP1)

Source: 2410035-01

Prepared: 10/06/24 Analyzed: 10/07/24

pH 5.69 pH Units 5.77 1.40 20

Batch BHJ0247 - General Preparation

LCS (BHJ0247-BS1)

Prepared: 10/06/24 Analyzed: 10/07/24

pH 9.28 pH Units 9.18 101 95-105

Duplicate (BHJ0247-DUP1)

Source: 2410035-31

Prepared: 10/06/24 Analyzed: 10/07/24

pH 9.02 pH Units 9.04 0.221 20

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PO Box 1289
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Project: Noble - Jepsen Excavation

Project Number: CO23-220
Project Manager: Paul Henchan

Reported:
10/08/24 16:02

Notes and Definitions

- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. Sample results were accepted based on LCS and/or LCSD recoveries and/or RPD values.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference