

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

October 07, 2024

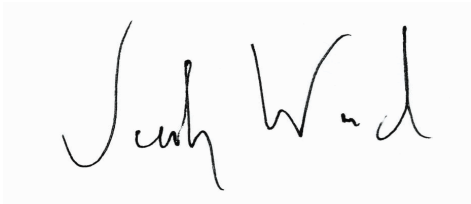
Paul Henchan
Fremont Environmental
PO Box 1289
Wellington, CO 80549

RE: Noble - Prospect (BKGs)

Work Order #2410002

Enclosed are the results of analyses for samples received by Summit Scientific on 10/01/24 16:06. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink that reads "Jacob Wood". The signature is written in a cursive style with a small "nd" at the end of the last name.

Jacob Wood For Paul Shrewsbury
President



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Prospect (BKGs)

Project Number: UWRWE-A3174-ABN

Project Manager: Paul Henchan

Reported:
10/07/24 10:47

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BKG01@2.0'	2410002-01	Soil	10/01/24 00:00	10/01/24 16:06
BKG01@4.0'	2410002-02	Soil	10/01/24 00:00	10/01/24 16:06
BKG01@6.0'	2410002-03	Soil	10/01/24 00:00	10/01/24 16:06
BKG02@2.0'	2410002-04	Soil	10/01/24 00:00	10/01/24 16:06
BKG02@4.0'	2410002-05	Soil	10/01/24 00:00	10/01/24 16:06
BKG02@6.0'	2410002-06	Soil	10/01/24 00:00	10/01/24 16:06
BKG03@2.0'	2410002-07	Soil	10/01/24 00:00	10/01/24 16:06
BKG03@4.0'	2410002-08	Soil	10/01/24 00:00	10/01/24 16:06
BKG03@6.0'	2410002-09	Soil	10/01/24 00:00	10/01/24 16:06

Summit Scientific

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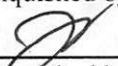
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4653 Table Mountain Drive
Golden, CO 80403
303-277-9310

Lab ID	Page 1 of 1
2410002	

Client: Fremont Env	Send Data To: Project Manager: Paul Henahan	Send Invoice To: Company: Noble
Address:	E-Mail: Paulh@fremontenv.com	Project Name/Location:
City/State/Zip:	jeff@fremontenv.com Ethun@fremontenv.com	AFE#:
Phone:	Project Name: Prospect (BK6s)	PO/Billing Codes: UWRWE-A3174-ABN
Sampler Name: JG	Project Number:	Contact:

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix			Analysis Requested				Special Instructions
					HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other	EC-pH-SAR	DOCON	Metals (915)	
1	BK601@2.0'	10/01/24		1			X			X			X	X		
2	BK601@4.0'	↓		↓												
3	BK601@6.0'	↓		↓												
4	BK602@2.0'	↓		↓												
5	BK602@4.0'	↓		↓												
6	BK602@6.0'	↓		↓												
7	BK603@2.0'	↓		↓												
8	BK603@4.0'	↓		↓												
9	BK603@6.0'	↓		↓												
10																
11																
12																
13																
14																
15																

Relinquished by: 	Date/Time: 10/01/24 1606	Received by: J. H. W. d	Date/Time: 10/1/24 16:06	TAT Business Days	Field DO	Notes:
				Same Day	Field EC	
Relinquished by:	Date/Time:	Received by:	Date/Time:	1 Day	Field ORP	
				2 Days	Field pH	
Relinquished by:	Date/Time:	Received by:	Date/Time:	3 Days	Field Temp.	
				Standard	X Field Turb.	
Temperature Upon Receipt: 5.6	Corrected Temperature	IR gun #: 2	HNO3 lot #:			

S₂

Sample Receipt Checklist

S2 Work Order# 2410002

Client: Noble-Fremont Client Project ID: Prospect (BKGs)

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

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

Temp (°C)

Thermometer #

	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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input checked="" type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out Completely? ⁽¹⁾	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	No Sample trace
Is the COC properly relinquished by the client w/ date and time recorded? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling)? ⁽¹⁾ Note the type of preservative in the comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2? ⁽¹⁾ Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Additional Comments (if any):

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

Control Form # SRC-001

Jh Ud
Custodian Printed Name

10/1/24 16:06
Date/Time



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Prospect (BKGs)
Project Number: UWRWE-A3174-ABN
Project Manager: Paul Henchan

Reported:
10/07/24 10:47

BKG01@2.0'
2410002-01 (Soil)

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Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Boron	ND	2.00		mg/L	1	BHJ0085	10/02/24	10/05/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Arsenic	1.12	0.180		mg/kg dry	1	BHJ0142	10/03/24	10/05/24	EPA 6020B	
Barium	26.4	0.360		"	"	"	"	"	"	
Cadmium	ND	0.180		"	"	"	"	"	"	
Copper	1.77	0.360		"	"	"	"	"	"	
Lead	2.69	0.180		"	"	"	"	"	"	
Nickel	2.05	0.360		"	"	"	"	"	"	
Silver	ND	0.0180		"	"	"	"	"	"	
Zinc	7.85	0.360		"	"	"	"	"	"	
Selenium	ND	0.234		"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Chromium, Hexavalent	ND	0.30		mg/kg dry	1	BHJ0090	10/02/24	10/03/24	EPA 7196A	

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

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Calcium	80.7	0.0500		mg/L dry	1	BHJ0162	10/03/24	10/05/24	EPA 6020B	
Magnesium	9.75	0.0500		"	"	"	"	"	"	
Sodium	188	0.0500		"	"	"	"	"	"	

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Project: Noble - Prospect (BKGs)
Project Number: UWRWE-A3174-ABN
Project Manager: Paul Henchan

Reported:
10/07/24 10:47

BKG01@2.0'
2410002-01 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	5.26	0.00100	units	1	BHJ0264	10/07/24	10/07/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	94.2		%	1	BHJ0065	10/02/24	10/02/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.242	0.0100	mmhos/cm	1	BHJ0163	10/03/24	10/04/24	EPA 120.1	

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

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.86		pH Units	1	BHJ0164	10/03/24	10/04/24	EPA 9045D	

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Wellington CO, 80549

Project: Noble - Prospect (BKGs)
Project Number: UWRWE-A3174-ABN
Project Manager: Paul Henchan

Reported:
10/07/24 10:47

BKG01@4.0'
2410002-02 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHJ0085	10/02/24	10/05/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.23	0.200	mg/kg dry	1	BHJ0142	10/03/24	10/05/24	EPA 6020B	
Barium	38.1	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	1.94	0.400	"	"	"	"	"	"	
Lead	3.15	0.200	"	"	"	"	"	"	
Nickel	2.24	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	9.36	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHJ0090	10/02/24	10/03/24	EPA 7196A	

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

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	196	0.0500	mg/L dry	1	BHJ0162	10/03/24	10/05/24	EPA 6020B	
Magnesium	32.1	0.0500	"	"	"	"	"	"	
Sodium	532	0.0500	"	"	"	"	"	"	

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Wellington CO, 80549

Project: Noble - Prospect (BKGs)
Project Number: UWRWE-A3174-ABN
Project Manager: Paul Henchan

Reported:
10/07/24 10:47

BKG01@4.0'
2410002-02 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	9.29	0.00100	units	1	BHJ0264	10/07/24	10/07/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	91.7		%	1	BHJ0065	10/02/24	10/02/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.404	0.0100	mmhos/cm	1	BHJ0163	10/03/24	10/04/24	EPA 120.1	

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

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.19		pH Units	1	BHJ0164	10/03/24	10/04/24	EPA 9045D	

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Fremont Environmental
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Wellington CO, 80549

Project: Noble - Prospect (BKGs)
Project Number: UWRWE-A3174-ABN
Project Manager: Paul Henchan

Reported:
10/07/24 10:47

BKG01@6.0'
2410002-03 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHJ0085	10/02/24	10/05/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.11	0.200	mg/kg dry	1	BHJ0142	10/03/24	10/05/24	EPA 6020B	
Barium	37.5	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	1.68	0.400	"	"	"	"	"	"	
Lead	3.51	0.200	"	"	"	"	"	"	
Nickel	2.10	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	8.17	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHJ0090	10/02/24	10/03/24	EPA 7196A	

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

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	258	0.0500	mg/L dry	1	BHJ0162	10/03/24	10/05/24	EPA 6020B	
Magnesium	40.6	0.0500	"	"	"	"	"	"	
Sodium	381	0.0500	"	"	"	"	"	"	

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Wellington CO, 80549

Project: Noble - Prospect (BKGs)
Project Number: UWRWE-A3174-ABN
Project Manager: Paul Henchan

Reported:
10/07/24 10:47

BKG01@6.0'
2410002-03 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	5.82	0.00100	units	1	BHJ0264	10/07/24	10/07/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	93.6		%	1	BHJ0065	10/02/24	10/02/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.488	0.0100	mmhos/cm	1	BHJ0163	10/03/24	10/04/24	EPA 120.1	

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

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.89		pH Units	1	BHJ0164	10/03/24	10/04/24	EPA 9045D	

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PO Box 1289
Wellington CO, 80549

Project: Noble - Prospect (BKGs)

Project Number: UWRWE-A3174-ABN
Project Manager: Paul Henchan

Reported:
10/07/24 10:47

BKG02@2.0'
2410002-04 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHJ0085	10/02/24	10/05/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.26	0.200	mg/kg dry	1	BHJ0142	10/03/24	10/05/24	EPA 6020B	
Barium	41.3	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	2.12	0.400	"	"	"	"	"	"	
Lead	3.15	0.200	"	"	"	"	"	"	
Nickel	2.24	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	9.29	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHJ0090	10/02/24	10/03/24	EPA 7196A	

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

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	80.3	0.0500	mg/L dry	1	BHJ0162	10/03/24	10/05/24	EPA 6020B	
Magnesium	26.8	0.0500	"	"	"	"	"	"	
Sodium	51.5	0.0500	"	"	"	"	"	"	

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Project: Noble - Prospect (BKGs)
Project Number: UWRWE-A3174-ABN
Project Manager: Paul Henchan

Reported:
10/07/24 10:47

BKG02@2.0'
2410002-04 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	1.27	0.00100	units	1	BHJ0264	10/07/24	10/07/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	93.4		%	1	BHJ0065	10/02/24	10/02/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.248	0.0100	mmhos/cm	1	BHJ0163	10/03/24	10/04/24	EPA 120.1	

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

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.75		pH Units	1	BHJ0164	10/03/24	10/04/24	EPA 9045D	

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Project: Noble - Prospect (BKGs)

Project Number: UWRWE-A3174-ABN
Project Manager: Paul Henchan

Reported:
10/07/24 10:47

BKG02@4.0'
2410002-05 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHJ0085	10/02/24	10/05/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	0.996	0.200	mg/kg dry	1	BHJ0142	10/03/24	10/05/24	EPA 6020B	
Barium	30.5	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	1.83	0.400	"	"	"	"	"	"	
Lead	2.70	0.200	"	"	"	"	"	"	
Nickel	2.00	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	8.84	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHJ0090	10/02/24	10/03/24	EPA 7196A	

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

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	113	0.0500	mg/L dry	1	BHJ0162	10/03/24	10/05/24	EPA 6020B	
Magnesium	35.0	0.0500	"	"	"	"	"	"	
Sodium	67.2	0.0500	"	"	"	"	"	"	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Prospect (BKGs)
Project Number: UWRWE-A3174-ABN
Project Manager: Paul Henchan

Reported:
10/07/24 10:47

BKG02@4.0'
2410002-05 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	1.42	0.00100	units	1	BHJ0264	10/07/24	10/07/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	94.5		%	1	BHJ0065	10/02/24	10/02/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.472	0.0100	mmhos/cm	1	BHJ0163	10/03/24	10/04/24	EPA 120.1	

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

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.27		pH Units	1	BHJ0164	10/03/24	10/04/24	EPA 9045D	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Prospect (BKGs)

Project Number: UWRWE-A3174-ABN
Project Manager: Paul Henchan

Reported:
10/07/24 10:47

BKG02@6.0'
2410002-06 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHJ0085	10/02/24	10/05/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.07	0.200	mg/kg dry	1	BHJ0142	10/03/24	10/05/24	EPA 6020B	
Barium	31.4	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	1.68	0.400	"	"	"	"	"	"	
Lead	2.67	0.200	"	"	"	"	"	"	
Nickel	2.14	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	7.93	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHJ0090	10/02/24	10/03/24	EPA 7196A	

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

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	127	0.0500	mg/L dry	1	BHJ0162	10/03/24	10/05/24	EPA 6020B	
Magnesium	42.8	0.0500	"	"	"	"	"	"	
Sodium	101	0.0500	"	"	"	"	"	"	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Prospect (BKGs)
Project Number: UWRWE-A3174-ABN
Project Manager: Paul Henchan

Reported:
10/07/24 10:47

BKG02@6.0'
2410002-06 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	1.98	0.00100	units	1	BHJ0264	10/07/24	10/07/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	89.2		%	1	BHJ0065	10/02/24	10/02/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.483	0.0100	mmhos/cm	1	BHJ0163	10/03/24	10/04/24	EPA 120.1	

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

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.30		pH Units	1	BHJ0164	10/03/24	10/04/24	EPA 9045D	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Prospect (BKGs)
Project Number: UWRWE-A3174-ABN
Project Manager: Paul Henchan

Reported:
10/07/24 10:47

BKG03@2.0'
2410002-07 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHJ0085	10/02/24	10/05/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	0.870	0.200	mg/kg dry	1	BHJ0142	10/03/24	10/05/24	EPA 6020B	
Barium	24.7	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	1.58	0.400	"	"	"	"	"	"	
Lead	2.31	0.200	"	"	"	"	"	"	
Nickel	1.68	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	7.51	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHJ0090	10/02/24	10/03/24	EPA 7196A	

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

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	130	0.0500	mg/L dry	1	BHJ0162	10/03/24	10/05/24	EPA 6020B	
Magnesium	33.4	0.0500	"	"	"	"	"	"	
Sodium	53.1	0.0500	"	"	"	"	"	"	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Prospect (BKGs)
Project Number: UWRWE-A3174-ABN
Project Manager: Paul Henchan

Reported:
10/07/24 10:47

BKG03@2.0'
2410002-07 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	1.07	0.00100	units	1	BHJ0264	10/07/24	10/07/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	92.3		%	1	BHJ0065	10/02/24	10/02/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.194	0.0100	mmhos/cm	1	BHJ0163	10/03/24	10/04/24	EPA 120.1	

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

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.78		pH Units	1	BHJ0164	10/03/24	10/04/24	EPA 9045D	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Prospect (BKGs)

Project Number: UWRWE-A3174-ABN
Project Manager: Paul Henchan

Reported:
10/07/24 10:47

BKG03@4.0'
2410002-08 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHJ0085	10/02/24	10/05/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.03	0.180	mg/kg dry	1	BHJ0142	10/03/24	10/05/24	EPA 6020B	
Barium	26.4	0.360	"	"	"	"	"	"	
Cadmium	ND	0.180	"	"	"	"	"	"	
Copper	1.74	0.360	"	"	"	"	"	"	
Lead	2.72	0.180	"	"	"	"	"	"	
Nickel	1.93	0.360	"	"	"	"	"	"	
Silver	ND	0.0180	"	"	"	"	"	"	
Zinc	8.49	0.360	"	"	"	"	"	"	
Selenium	ND	0.234	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHJ0090	10/02/24	10/03/24	EPA 7196A	

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

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	88.3	0.0500	mg/L dry	1	BHJ0162	10/03/24	10/05/24	EPA 6020B	
Magnesium	28.6	0.0500	"	"	"	"	"	"	
Sodium	79.8	0.0500	"	"	"	"	"	"	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Prospect (BKGs)
Project Number: UWRWE-A3174-ABN
Project Manager: Paul Henchan

Reported:
10/07/24 10:47

BKG03@4.0'
2410002-08 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	1.89	0.00100	units	1	BHJ0264	10/07/24	10/07/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	93.0		%	1	BHJ0065	10/02/24	10/02/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.205	0.0100	mmhos/cm	1	BHJ0163	10/03/24	10/04/24	EPA 120.1	

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

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.95		pH Units	1	BHJ0164	10/03/24	10/04/24	EPA 9045D	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Prospect (BKGs)
Project Number: UWRWE-A3174-ABN
Project Manager: Paul Henchan

Reported:
10/07/24 10:47

BKG03@6.0'
2410002-09 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHJ0085	10/02/24	10/05/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.18	0.200	mg/kg dry	1	BHJ0142	10/03/24	10/05/24	EPA 6020B	
Barium	28.7	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	1.99	0.400	"	"	"	"	"	"	
Lead	2.88	0.200	"	"	"	"	"	"	
Nickel	2.17	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	9.41	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHJ0090	10/02/24	10/03/24	EPA 7196A	

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

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	82.6	0.0500	mg/L dry	1	BHJ0162	10/03/24	10/05/24	EPA 6020B	
Magnesium	26.0	0.0500	"	"	"	"	"	"	
Sodium	85.9	0.0500	"	"	"	"	"	"	

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Prospect (BKGs)
 Project Number: UWRWE-A3174-ABN
 Project Manager: Paul Henchan

Reported:
 10/07/24 10:47

BKG03@6.0'
2410002-09 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	2.11	0.00100	units	1	BHJ0264	10/07/24	10/07/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	88.9		%	1	BHJ0065	10/02/24	10/02/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.222	0.0100	mmhos/cm	1	BHJ0163	10/03/24	10/04/24	EPA 120.1	

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

Date Sampled: **10/01/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.80		pH Units	1	BHJ0164	10/03/24	10/04/24	EPA 9045D	

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Prospect (BKGs)

Project Number: UWRWE-A3174-ABN
 Project Manager: Paul Henchan

Reported:
 10/07/24 10:47

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

Summit Scientific

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

Batch BHJ0085 - EPA 3050B

Blank (BHJ0085-BLK1)

Prepared: 10/02/24 Analyzed: 10/05/24

Boron ND 2.00 mg/L

LCS (BHJ0085-BS1)

Prepared: 10/02/24 Analyzed: 10/05/24

Boron 4.93 2.00 mg/L 5.00 98.5 80-120

Duplicate (BHJ0085-DUP1)

Source: 2410002-01

Prepared: 10/02/24 Analyzed: 10/05/24

Boron 0.316 2.00 mg/L 0.244 25.4 20 QR-01

Matrix Spike (BHJ0085-MS1)

Source: 2410002-01

Prepared: 10/02/24 Analyzed: 10/05/24

Boron 5.04 2.00 mg/L 5.05 0.244 95.1 75-125

Matrix Spike Dup (BHJ0085-MSD1)

Source: 2410002-01

Prepared: 10/02/24 Analyzed: 10/05/24

Boron 5.11 2.00 mg/L 5.05 0.244 96.3 75-125 1.24 25

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Prospect (BKGs)

Project Number: UWRWE-A3174-ABN
Project Manager: Paul Henchan

Reported:
10/07/24 10:47

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 BHJ0142 - EPA 3050B

Blank (BHJ0142-BLK1)

Prepared: 10/03/24 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 (BHJ0142-BS1)

Prepared: 10/03/24 Analyzed: 10/05/24

Arsenic	37.0	0.200	mg/kg wet	38.8	95.5	80-120
Barium	37.8	0.400	"	38.8	97.6	80-120
Cadmium	1.95	0.200	"	1.94	101	80-120
Copper	40.6	0.400	"	38.8	105	80-120
Lead	18.8	0.200	"	19.4	96.9	80-120
Nickel	40.0	0.400	"	38.8	103	80-120
Silver	1.95	0.0200	"	1.94	101	80-120
Zinc	40.6	0.400	"	38.8	105	80-120
Selenium	3.64	0.260	"	3.88	94.0	80-120

Duplicate (BHJ0142-DUP1)

Source: 2409364-03

Prepared: 10/03/24 Analyzed: 10/05/24

Arsenic	2.02	0.200	mg/kg dry	2.64	26.6	20	QR-02
Barium	22.4	0.400	"	28.9	25.5	20	QR-02
Cadmium	0.0573	0.200	"	0.0781	30.8	20	QR-01
Copper	2.24	0.400	"	2.75	20.5	20	QR-01
Lead	2.38	0.200	"	2.96	21.7	20	QR-02
Nickel	2.18	0.400	"	2.83	26.1	20	QR-01
Silver	0.0108	0.0200	"	0.0207	63.0	20	QR-01
Zinc	8.82	0.400	"	10.8	20.4	20	QR-02
Selenium	ND	0.260	"	ND		20	

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Prospect (BKGs)

Project Number: UWRWE-A3174-ABN
 Project Manager: Paul Henchan

Reported:
 10/07/24 10:47

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 BHJ0142 - EPA 3050B

Matrix Spike (BHJ0142-MS1)

Source: 2409364-03

Prepared: 10/03/24 Analyzed: 10/05/24

Arsenic	40.3	0.200	mg/kg dry	40.9	2.64	92.1	75-125			
Barium	65.4	0.400	"	40.9	28.9	89.3	75-125			
Cadmium	2.13	0.200	"	2.04	0.0781	101	75-125			
Copper	33.0	0.400	"	40.9	2.75	73.9	75-125			QM-05
Lead	22.6	0.200	"	20.4	2.96	96.3	75-125			
Nickel	32.9	0.400	"	40.9	2.83	73.7	75-125			QM-05
Silver	2.01	0.0200	"	2.04	0.0207	97.3	75-125			
Zinc	41.6	0.400	"	40.9	10.8	75.3	75-125			
Selenium	3.49	0.260	"	4.09	ND	85.4	75-125			

Matrix Spike Dup (BHJ0142-MSD1)

Source: 2409364-03

Prepared: 10/03/24 Analyzed: 10/05/24

Arsenic	38.3	0.180	mg/kg dry	39.1	2.64	91.1	75-125	5.12	25	
Barium	56.4	0.360	"	39.1	28.9	70.3	75-125	14.8	25	QM-05
Cadmium	1.96	0.180	"	1.96	0.0781	96.2	75-125	8.53	25	
Copper	32.9	0.360	"	39.1	2.75	77.0	75-125	0.267	25	
Lead	20.7	0.180	"	19.6	2.96	90.5	75-125	9.19	25	
Nickel	32.7	0.360	"	39.1	2.83	76.4	75-125	0.691	25	
Silver	1.86	0.0180	"	1.96	0.0207	93.8	75-125	7.95	25	
Zinc	39.8	0.360	"	39.1	10.8	74.2	75-125	4.33	25	QM-05
Selenium	3.55	0.234	"	3.91	ND	90.7	75-125	1.55	25	

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Prospect (BKGs)
 Project Number: UWRWE-A3174-ABN
 Project Manager: Paul Henchan

Reported:
 10/07/24 10:47

Hexavalent Chromium by EPA Method 7196 - Quality Control
Summit Scientific

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

Batch BHJ0090 - 3060A Mod

Blank (BHJ0090-BLK1)

Prepared: 10/02/24 Analyzed: 10/03/24

Chromium, Hexavalent ND 0.30 mg/kg wet

LCS (BHJ0090-BS1)

Prepared: 10/02/24 Analyzed: 10/03/24

Chromium, Hexavalent 26.4 0.30 mg/kg wet 25.0 106 80-120

Duplicate (BHJ0090-DUP1)

Source: 2409475-01

Prepared: 10/02/24 Analyzed: 10/03/24

Chromium, Hexavalent ND 0.30 mg/kg dry ND 20

Matrix Spike (BHJ0090-MS1)

Source: 2409475-01

Prepared: 10/02/24 Analyzed: 10/03/24

Chromium, Hexavalent 27.0 0.30 mg/kg dry 25.9 ND 104 75-125

Matrix Spike Dup (BHJ0090-MSD1)

Source: 2409475-01

Prepared: 10/02/24 Analyzed: 10/03/24

Chromium, Hexavalent 27.1 0.30 mg/kg dry 25.9 ND 105 75-125 0.382 20

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Prospect (BKGs)

Project Number: UWRWE-A3174-ABN
 Project Manager: Paul Henchan

Reported:
 10/07/24 10:47

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 BHJ0162 - General Preparation

Blank (BHJ0162-BLK1)

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

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

LCS (BHJ0162-BS1)

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

Calcium	4.75	0.0500	mg/L wet	5.00		95.0	70-130			
Magnesium	4.76	0.0500	"	5.00		95.1	70-130			
Sodium	4.67	0.0500	"	5.00		93.4	70-130			

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Prospect (BKGs)

Project Number: UWRWE-A3174-ABN
 Project Manager: Paul Henchan

Reported:
 10/07/24 10:47

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

Summit Scientific

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

Batch BHJ0065 - General Preparation

Duplicate (BHJ0065-DUP1)

Source: 2409364-03

Prepared & Analyzed: 10/02/24

% Solids	89.7		%		92.0			2.53	20	
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Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Prospect (BKGs)

Project Number: UWRWE-A3174-ABN
 Project Manager: Paul Henchan

Reported:
 10/07/24 10:47

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

Summit Scientific

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

Batch BHJ0163 - General Preparation

Blank (BHJ0163-BLK1)

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

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BHJ0163-BS1)

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

Specific Conductance (EC) 0.156 0.0100 mmhos/cm 0.150 104 95-105

Duplicate (BHJ0163-DUP1)

Source: 2410002-01

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

Specific Conductance (EC) 0.235 0.0100 mmhos/cm 0.242 2.94 20

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Prospect (BKGs)

Project Number: UWRWE-A3174-ABN
 Project Manager: Paul Henchan

Reported:
 10/07/24 10:47

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

Summit Scientific

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

Batch BHJ0164 - General Preparation

LCS (BHJ0164-BS1)

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

pH	9.17	pH Units	9.18	99.9	95-105
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Duplicate (BHJ0164-DUP1)

Source: 2410002-01

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

pH	7.73	pH Units	7.86	1.67	20
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Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Prospect (BKGs)

Project Number: UWRWE-A3174-ABN
Project Manager: Paul Henchan

Reported:
10/07/24 10:47

Notes and Definitions

- QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
- QR-01 Analyses are not controlled on RPD values from sample concentrations below the reporting limit. Sample results were accepted based on LCS and/or LCSD recoveries and/or RPD values.
- 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