FREMONT ENVIRONMENTAL INC.

August 8, 2023

Mr. Daniel Peterson
Noble Energy Inc.
2115 117th Avenue
Greeley, CO 80634

Subject: **Flowline Closure Data Submittal**
Prospect CO 26-09I4
API # 05-123-18064
NESE Sec. 26, T4N, R64W
Weld County, Colorado
Fremont Project No. C023-200
Facility # 250261, Remediation #27659

Dear Mr. Peterson:

As you requested, Fremont Environmental Inc. (Fremont) personnel conducted Flowline Closure activities for the Noble Energy Inc. (Noble) Prospect CO 26-09I4. Impacted soil was encountered during abandonment activities. Details of the Prospect CO 26-09I4 flowline closure activities are documented in the attached Closure Report. Groundwater was not encountered during flowline abandonment activities.

Please contact me at (303) 956-8714 if you require any additional information. Fremont appreciates the opportunity to provide this service.

Sincerely,

FREMONT ENVIRONMENTAL INC.

Paul V. Henehan, P.E.
Senior Consultant

Attachments:
- Facility Closure Checklist
- Tables
- Figures
- Photos
- Laboratory Reports

1759 Redwing Lane, Broomfield, CO 80020
(303) 956-8714 (direct)

Flowline Closure Checklist

COGCC Rule 911.a.(4) Environmental Site Closure Assessment Field Form

Additional Attachments:		Tank Battery Closure		Wellhead Closure		Pit Closure		Partially Buried Vault Closure

Site Name & COGCC Facility Number: PROSPECT CO-64N64W 26NESE Facility: 329940	*Date:* 08/08/2023	*Remediation Project #:* 27659
Associated Wells: Prospect CO 26-09I4 Facility ID: 250261 API: 05-123-18064	*Age of Site:* 1994	*Number of Photos Attached:* 8 Photos

Starting point: *(GPS coordinates and descriptions)* 40.2821945, -104.5108112

End point: *(GPS coordinates and descriptions)* 40.2801811, -104.5075067

USCS Soil Type: SW | *Estimated Depth to Groundwater:* N/A

Hydrocarbon Impacted Soils / Spills: *(Note estimated size and if impact appears to be surficial or extends to an unknown depth)*
Impacts were discovered at the separator tie-in. Soil failed groundwater protection soil screening levels (GPSSLs) for 1,2,4 Trimethyl-Benzene, 1,3,5 Trimethyl-Benzene, Naphthalene, TPHs (GRO, DRO, ORO), 1-Methyl-Naphthalene and 2-Methyl-Naphthalene. Refer to the organic soil chemistry table (Table 2) and the polycylic aromatic hydrocarbon soil chemistry table (Table 2) for reference. Soil impacts were left in place. Further investigation is required.

Salt Crusted Soils or Impacted Vegetation: *(Note estimated size and if impact appears to be surficial or extends to an unknown depth)*
None observed

Flowlines

Flowline type	2" Steel							
Depth	Roughly 3ft							
Age	1994							
Length	1,185ft							
Construction Material	Black TGF							
Were flowlines pulled?	Yes							
Visual Integrity of lines	No Damage							
Visual impacts if trenched	N/A							
PID Readings if trenched	N/A							
Sample taken? Location/Sample ID#	9FL01@4.0' 9FL06@5.0'							
Photo Number(s)	Photo 1A-1H							

Other observations regarding on loction flowlines:
Staining and odor observed at separator tie-in (9FL01@5.0'). An exceedance in arsenic was discovered at both the wellhead and separator tie-in (9FL01@4.0' and 9FL06@5.0') sample locations. Refer to the metals in soil chemistry table (Table 4) for reference. Additionally, local background samples collected at similar depths failed Table 915-1 soil screening levels for arsenic. Thus, these exceedances should be contributed to native soil conditions.

Summary

Was impacted soil identified?
No | Yes - less than 10 cubic yards | Yes - more than 10 cubic yards

Total number of samples field screened: 4 samples	*Total number of samples collected:* 8 samples
Highest PID Reading: High @ 441.2ppm (9FL06@5.0')	*Total number of samples submitted to lab for analysis:* 4 Samples

If more than 10 cubic yards of impacted soil were observed:

Vertical extent: 5.0 Feet	*Estimated spill volume:* Unknown
Lateral extent: 5' x 5'	*Volume of soil removed:* None

Is additional investigation required? Yes

Was groundwater encountered during the investigation?
No | Yes - not impacted or in contact with impacted soils | Yes - groundwater impacted and/or in contact with impacted soils

Measured depth to groundwater: N/A	*Was remedial groundwater removal conducted?* Yes No
Date Groundwater was encountered: N/A	*Commencement date of removal:* N/A
Sheen on groundwater? Yes No	*Volume of groundwater removed prior to sampling:* N/A
Free product observed? Yes No	*Volume of groundwater removed post sampling:* N/A
Total number of samples collected: N/A	*Total Volume of groundwater removed:* N/A
Total number of samples submitted to lab for analysis: N/A	

TABLE 1
SUMMARY OF VOLATILE ORGANIC SOIL CHEMISTRY DATA
NOBLE ENERGY INC.
PROSPECT CO 26-09I4, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C023-200

Sample ID	Sample Date	Depth (ft)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-Benzene (mg/kg)	Xylenes (mg/kg)	1,2,4-Trimethyl-Benzene (mg/kg)	1,3,5-Trimethyl-Benzene (mg/kg)	Naphthalene (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)
ECMC Table 915-1 Limits (Residential SSL)			1.2	490	5.8	58	30	27	2	500**		
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.0026	0.69	0.78	9.9	0.0081	0.0087	0.0038	500**		
9FL01@4.0'	8/8/2023	4.0 Ft	*<0.0020*	*<0.0050*	*<0.0050*	*<0.010*	*<0.0050*	*<0.0050*	*<0.0038*	*<0.50*	*<50*	*<50*
9FL06@5.0'	8/8/2023	5.0 Ft	*<0.0020*	*<0.0050*	0.0058	0.23	**0.57**	**0.62**	**0.019**	**240**	**1300**	**200**

Bold faced values exceed the COGCC Table 915-1 concentrations
Red & blue highlighted 915-1 Limits indicate the referenced soil screening level (SSL)
* Indicates laboratory minimum detection limit in excess of SSL
** Summation of GRO+DRO+ORO must be less than 500 mg/kg

TABLE 2
SUMMARY OF POLYCYCLIC AROMATIC HYDROCARBON SOIL CHEMISTRY DATA
NOBLE ENERGY INC.
PROSPECT CO 26-09I4, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C023-200

Sample ID	Sample Date	Depth (ft)	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benzo (a) Anthracene (mg/kg)	Benzo (a) Pyrene (mg/kg)	Benzo (b) Fluoranthene (mg/kg)	Benzo (k) Fluoranthene (mg/kg)	Chrysene (mg/kg)	Dibenzo (a,h) Anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Indeno (1,2,3-cd) Pyrene (mg/kg)	Pyrene (mg/kg)	1-Methyl - Naphthalene (mg/kg)	2-Methyl-Naphthalene (mg/kg)
ECMC Table 915-1 Limits (Residential SSL)			360	1800	1.1	0.11	1.1	11	110	0.11	240	240	1.1	180	18	24
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.55	5.8	0.011	0.24	0.3	2.9	9	0.096	8.9	0.54	0.98	1.3	0.006	0.019
9FL01@4.0'	8/8/2023	4.0 Ft	*<0.00500*	*<0.00500*	*<0.00500*	*<0.00500*	*<0.00500*	*<0.00500*	*<0.00500*	*<0.00500*	*<0.00500*	*<0.00500*	*<0.00500*	*<0.00500*	*<0.00500*	*<0.00500*
9FL06@5.0'	8/8/2023	5.0 Ft	*<0.00500*	*<0.00500*	*<0.00500*	*<0.00500*	*<0.00500*	*<0.00500*	*<0.00500*	*<0.00500*	*<0.00500*	*<0.00500*	*<0.00500*	*<0.00500*	**0.168**	**0.340**

Bold faced values exceed the COGCC Table 915-1 concentrations

Red & blue highlighted 915-1 Limits indicate the referenced soil screening level (SSL)

* Indicates laboratory minimum detection limit in excess of SSL

TABLE 3
SUMMARY OF SOIL SUITABILITY FOR RECLAMATION
NOBLE ENERGY INC.
PROSPECT CO 26-09I4, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C023-200

Sample ID	Sample Date	Depth (ft)	pH	EC (mmhos/cm)	SAR	Boron (mg/L)
ECMC Table 915-1 Soil Suitability Limits			6 - 8.3	<4	<6	2
9FL01@4.0'	8/8/2023	4.0 Ft	7.92	0.607	0.688	1.35
9FL06@5.0'	8/8/2023	5.0 Ft	6.41	0.804	0.903	1.28
BKG01@4.0'	8/8/2023	4.0 Ft	7.54	0.354	1.11	1.14
BKG02@5.0'	8/8/2023	5.0 Ft	8.13	0.654	2.69	1.16

Bold faced values exceed the COGCC Table 915-1 concentrations

Yellow highlighted 915-1 Limits indicate the referenced soil screening level (SSL)

Local Background Samples (BKG01@4.0' & BKG02@5.0')

TABLE 4
SUMMARY OF METALS IN SOIL CHEMISTRY DATA
NOBLE ENERGY INC.
PROSPECT CO 26-09I4, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C023-200

Sample ID	Sample Date	Depth (ft)	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (VI) (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
ECMC Table 915-1 Limits (Residential SSL)			0.68	15000	71	0.3	3100	400	1500	390	390	23000
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
9FL01@4.0'	8/8/2023	4.0 Ft	**1.22**	51.9	*<0.200*	*<0.30*	4.19	6.40	3.27	*<0.260*	0.0211	16.5
9FL06@5.0'	8/8/2023	5.0 Ft	**1.07**	24.4	*<0.200*	*<0.30*	1.74	2.03	1.43	*<0.260*	*<0.0200*	6.51
BKG01@4.0'	8/8/2023	4.0 Ft	**1.29**	56.8	*<0.200*	*<0.30*	3.65	4.66	3.80	*<0.260*	0.0281	15.1
BKG02@5.0'	8/8/2023	5.0 Ft	**0.588**	31.4	*<0.200*	*<0.30*	1.63	1.98	1.53	*<0.260*	*<0.0200*	6.34

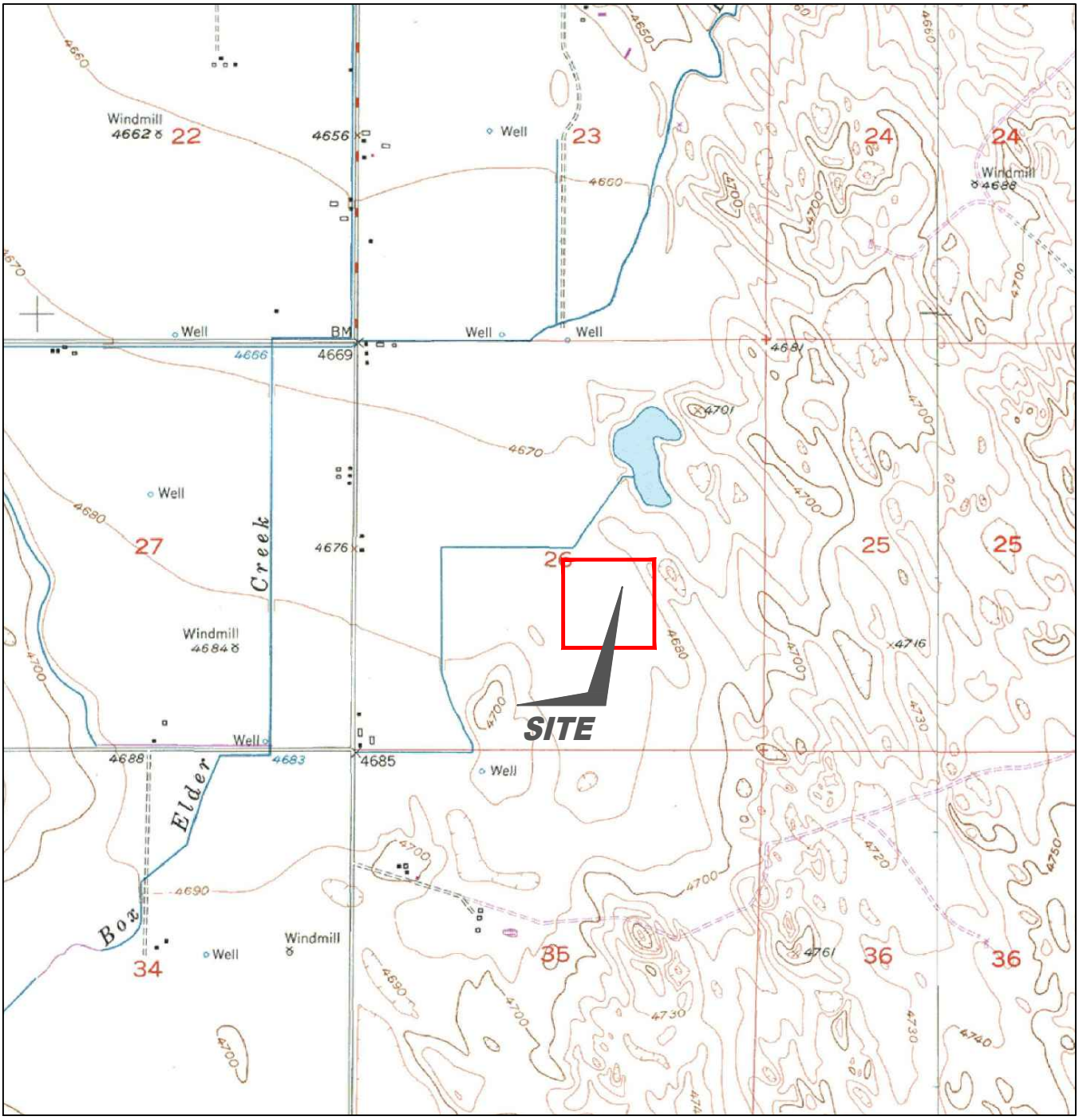
Bold faced values exceed the COGCC Table 915-1 concentrations

Red & blue highlighted 915-1 Limits indicate the referenced soil screening level (SSL)

* Indicates laboratory minimum detection limit in excess of SSL

NA - Not analyzed

Local Background Samples (BKG01@4.0' & BKG02@5.0')



N

Scale (miles)

0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1

0 1000 2000 3000 4000 5000

Scale (feet)

USGS 7.5 MINUTE SERIES (TOPOGRAPHIC)

Figure 1

SITE LOCATION MAP

NOBLE ENERGY INC - PROSPECT CO 26-9I4

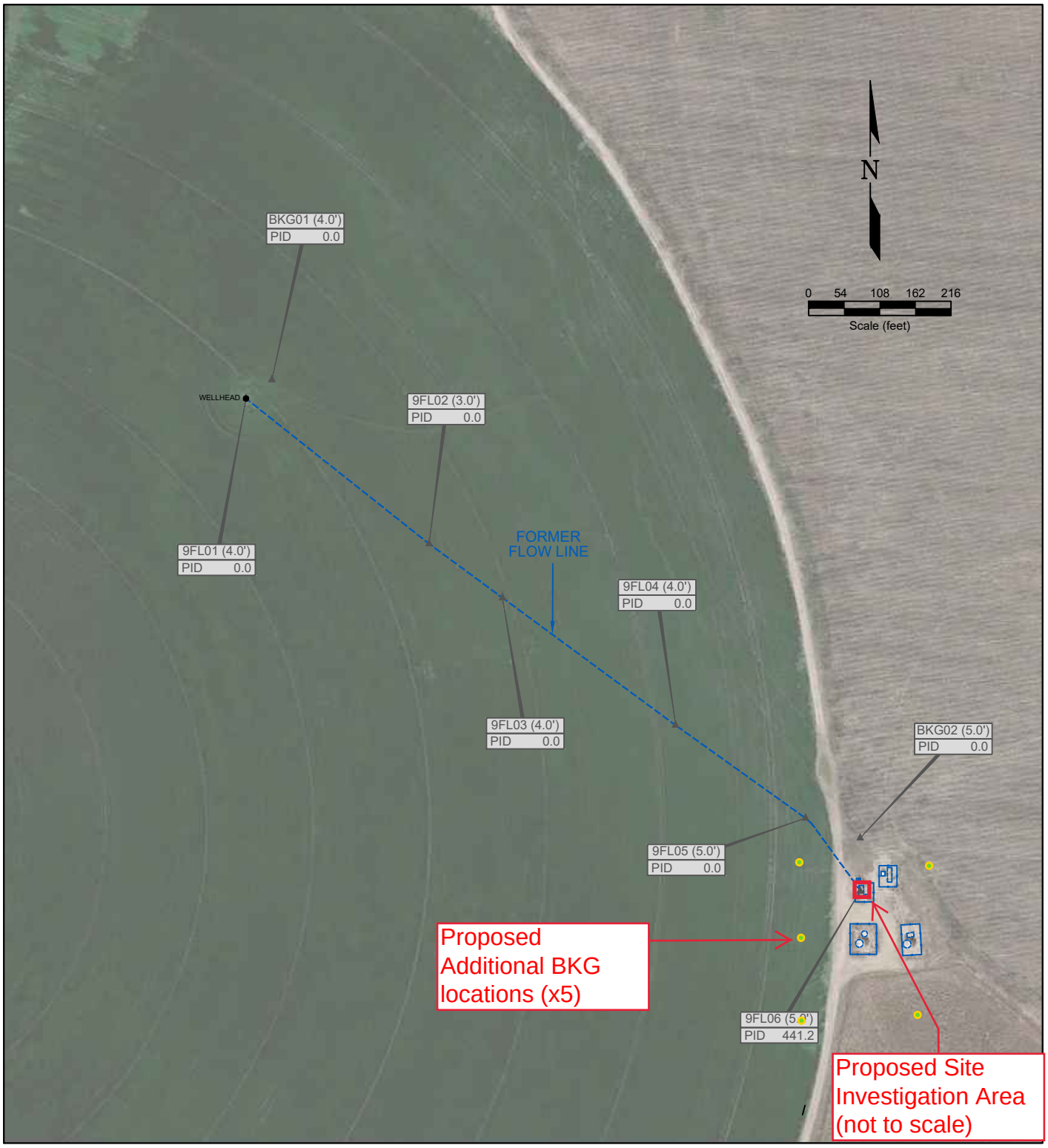
NESE Sec. 26, T4N, R64W, 6th PM

Weld County, Colorado

40.282210°, -104.510810°

Project #	API #	Facility #
CO23-200	**05-123-18064**	**250261**
Date	Remediation #	Filename
11/03/2023	**27659**	**23200T**

FREMONT ENVIRONMENTAL



LEGEND

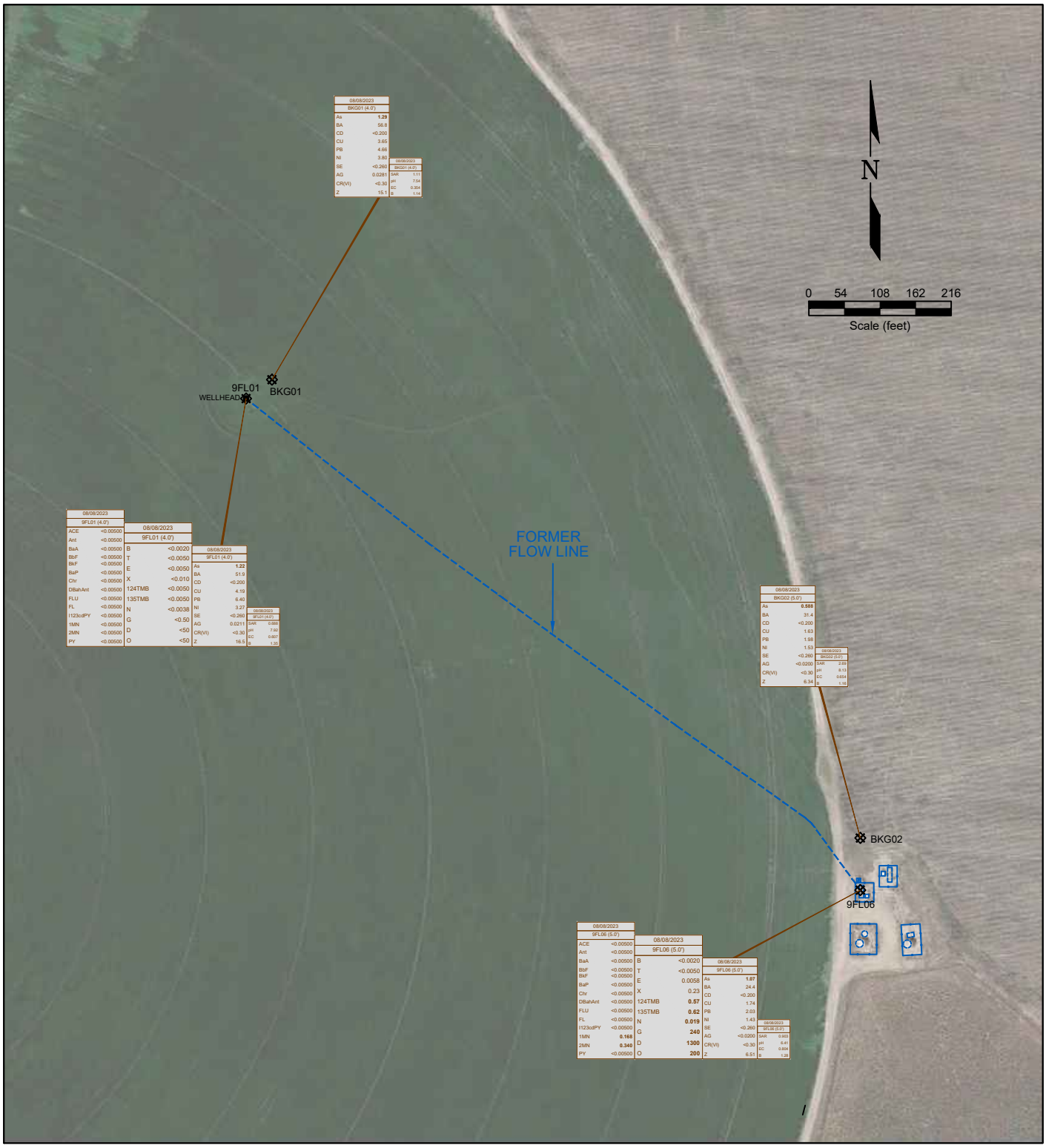
- WELLHEAD LOCATION
- PID READING LOCATION
- ABOVE GROUND STORAGE TANK
- FORMER — FORMER FACILITY
- FLOW LINE
- CONTAINMENT BERM
- FENCE LINE
- FL01 / PID 0.1 — PID READING LOCATION IDENTIFICATION / PHOTO IONIZATION DETECTION (ppm)

Figure 2
SITE MAP

NOBLE ENERGY INC - PROSPECT CO 26-9I4
NESE Sec. 26, T4N, R64W, 6th PM
Weld County, Colorado
40.282210°, -104.510810°

Project #	API #	Facility #
CO23-200	**05-123-18064**	**250261**
Date	Remediation #	Filename
11/03/2023	**27659**	**23200Q**

FREMONT ENVIRONMENTAL



LEGEND

- WELLHEAD LOCATION
- SOIL SAMPLE LOCATION
- ABOVE GROUND STORAGE TANK
- FORMER — FORMER FACILITY
- FLOW LINE
- CONTAINMENT BERM
- FENCE LINE

4/7/2023	
FL01 (4')	DATE SAMPLED SAMPLE ID and DEPTH (ft)
ACE	<0.00500 ACENAPHTHENE (mg/kg)
Ant	<0.00500 ANTHRACENE (mg/kg)
BaA	<0.00500 BENZO (A) ANTHRACENE (mg/kg)
BbF	<0.00500 BENZO (B) FLUORANTHENE (mg/kg)
BkF	<0.00500 BENZO (K) FLUORANTHENE(mg/kg)
BaP	<0.00500 BENZO (A) PYRENE (mg/kg)
Chr	<0.00500 CHRYSENE (mg/kg)
DBahAnt	<0.00500 DIBENZ (A,H) ANTHRACENE (mg/kg)
FLU	<0.00500 FLUORANTHENE (mg/kg)
FL	<0.00500 FLUORENE (mg/kg)
I123cdPY	<0.00500 INDENO (1,2,3-CD) PYRENE(mg/kg)
1MN	<0.00500 1-METHYLNAPHTHALENE (mg/kg)
2MN	<0.00500 2-METHYLNAPHTHALENE (mg/kg)
PY	<0.00500 PYRENE (mg/kg)

4/7/2023	
FL01 (4')	DATE SAMPLED SAMPLE ID & DEPTH (ft)
SAR	0.950 SAR (units)
pH	8.04 pH (pH units)
EC	0.385 EC (mmhos/cm)
B	0.270 BORON (mg/L)

4/7/2023	
FL01 (4')	DATE SAMPLED SAMPLE ID & DEPTH (ft)
As	<0.01 ARSENIC (mg/kg)
BA	<0.01 BARIUM (mg/kg)
CD	<0.01 CADMIUM (mg/kg)
CU	<0.01 COPPER (mg/kg)
PB	<0.05 LEAD (mg/kg)
NI	<0.05 NICKEL (mg/kg)
SE	<0.5 SELENIUM (mg/kg)
AG	<0.05 SILVER (mg/kg)
CR(VI)	<0.05 HEXAVALENT CHROMIUM (mg/kg)
Z	<0.05 ZINC (mg/kg)

4/7/2023	
FL01 (4')	DATE SAMPLED SAMPLE ID and DEPTH (ft)
B	<0.0020 BENZENE (mg/kg)
T	<0.0050 TOLUENE (mg/kg)
E	<0.0050 ETHYLBENZENE (mg/kg)
X	<0.010 TOTAL XYLENES (mg/kg)
124TMB	<0.0050 1,2,4-TRIMETHYLBENZENE (mg/kg)
135TMB	<0.0050 1,3,5-TRIMETHYLBENZENE (mg/kg)
N	<0.0038 NAPHTHALENE (mg/kg)
G	<0.50 TPH-GRO (mg/kg)
D	<50 TPH-DRO (mg/kg)
O	<50 TPH-ORO (mg/kg)

[NA] NOT ANALYZED

Figure 3

SOIL CHEMISTRY MAP

NOBLE ENERGY INC - PROSPECT CO 26-9I4

NESE Sec. 26, T4N, R64W, 6th PM

Weld County, Colorado

40.282210°, -104.510810°

Project #	API #	Facility #
CO23-200	**05-123-18064**	**250261**
Date	Remediation #	Filename
11/03/2023	**27659**	**23200Q**

FREMONT ENVIRONMENTAL

Photo Log

Description:

#1A - Prospect CO 26-09I4 (Flowline) - Wellhead Tie-in - 9FL01@4.0' - No Impacts Noted - PID 0.0ppm

Photo Log

Description:

#1B - Prospect CO 26-09I4 (Flowline) - 9FL02@3.0' - No Impacts Noted - PID 0.0ppm

Photo Log

Description:

#1C - Prospect CO 26-09I4 (Flowline) - 9FL03@4.0' - No Impacts Noted - PID 0.0ppm

Photo Log

Description:

#1D - Prospect CO 26-09I4 (Flowline) - 9FL04@4.0' - No Impacts Noted - PID 0.0ppm

Photo Log

Description:

#1E - Prospect CO 26-09I4 (Flowline) - 9FL05@5.0' - No Impacts Noted - PID 0.0ppm

Photo Log

Description:

#1F - Prospect CO 26-09I4 (Flowline) - Separator Tie-in - 9FL06@5.0' - Staining and Odor Present - PID 441.2ppm

Photo Log

Description:

#1G - Prospect CO 26-09I4 (Flowline) - Local Background Sample at Wellhead - BKG01@4.0' - No Impacts Noted - PID 0.0ppm

Photo Log

Description:

#1H - Prospect CO 26-09I4 (Flowline) - Local Background Sample at Separator - BKG02@5.0' - No Impacts Noted - PID 0.0ppm

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

August 15, 2023

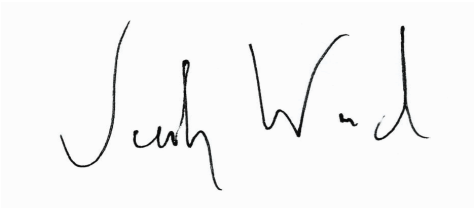
Paul Henehan
Fremont Environmental
PO Box 1289
Wellington, CO 80549

RE: Noble - Prospect CO 26-09I4

Work Order #2308163

Enclosed are the results of analyses for samples received by Summit Scientific on 08/08/23 16:39. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Jacob Wood For Paul Shrewsbury
President

S2

Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - Prospect CO 26-09I4 Project Number: UWRWE-A3179-ABN Project Manager: Paul Henehan	**Reported:** 08/15/23 13:57

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
9FL01@4.0'	2308163-01	Soil	08/08/23 00:00	08/08/23 16:39
9FL06@5.0'	2308163-02	Soil	08/08/23 00:00	08/08/23 16:39
BKG01@4.0'	2308163-03	Soil	08/08/23 00:00	08/08/23 16:39
BKG02@5.0'	2308163-04	Soil	08/08/23 00:00	08/08/23 16:39

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

SUMMIT SCIENTIFIC

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

Lab ID	Page 1 of 1
2308163	

	Send Data To:	Send Invoice To:
Client: Fremont Env	Project Manager: Paul Henehan	Company: Noble
Address:	E-Mail: Paulh@fremontenv.com	Project Name/Location: Prospect CO 26-09I4
City/State/Zip:	jeffg@fremontenv.com Ethanb@fremontenv.com	AFE#:
Phone:	Project Name: Prospect CO 26-09I4	PO/Billing Codes: UWRWE-3179-ABN
Sampler Name: JG	Project Number:	Contact:

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative: HCl	HNO3	None	Other	Matrix: Water	Soil	Air-Canister #	Other	Analysis Requested: BTEX+N	TMBs (915)	DRO, ORO, GRO	PAHs (915)	EC, pH, SAR, Boron	Metals (915)			Special Instructions
1	9FL01@4.0'	8/8/23		2			X			X			X	X	X	X	X	X			
2	9FL06@5.0'	↓		2			↓			↓			X	X	X	X	↓	↓			
3	BKG01@4.0'	↓		1			↓			↓							↓	↓			
4	BKG02@5.0'	↓		1			↓			↓							X	X			
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					
13																					
14																					
15																					

Relinquished by:	Date/Time:	Received by:	Date/Time:	TAT Business Days		Field DO	
[signature]	8/8/23 1638	[signature]	8/8/23 16:39	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.	

Notes: Bill to Noble

Temperature Upon Receipt: 24.3 | Corrected Temperature _____ | IR gun #: 2 | HNO3 lot #: _____

S2

S2 Work Order# 2308163

Sample Receipt Checklist

Client: Fremont Client Project ID: Prospect Co 26-09I4

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

[X] [ ] [ ] [ ] [ ]

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

Temp (°C) 24.3 Thermometer # 2

	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.	X			on ice
If custody seals are present, are they intact? (1)			X	
Are samples due within 48 hours present?		X		
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			X	
Is a chain-of-custody (COC) form present and filled out Completely? (1)		X		No sample times
Is the COC properly relinquished by the client w/ date and time recorded? (1)	X			
Were all samples received intact? (1)	X			
Was adequate sample volume provided? (1)	X			
Does the COC agree with the number and type of sample bottles received? (1)	X			
Do the sample IDs on the bottle labels match the COC?(1)	X			
For volatiles in water – is there headspace present? **If yes, contact client and note in narrative.**			X	
Are samples preserved that require preservation **(excluding cooling)?** (1) Note the type of preservative in the comments column – HCl, H_2SO_4, NaOH, HNO_3, etc.			X	
If samples are acid preserved for metals, is the pH ≤ 2? (1) Record the pH in Comments.			X	
If dissolved metals are requested, were samples field filtered?			X	
Additional Comments (if any):				

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

Josh Wall
Custodian Printed Name

8/8/23 16:39
Date/Time

Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - Prospect CO 26-09I4 Project Number: UWRWE-A3179-ABN Project Manager: Paul Henehan	**Reported:** 08/15/23 13:57

9FL01@4.0'

2308163-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/08/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BGH0343	08/09/23	08/11/23	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **08/08/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0432	*108 %*	*50-150*		"	"	"	"	
Surrogate: Toluene-d8	0.0408	*102 %*	*50-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0344	*85.9 %*	*50-150*		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **08/08/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BGH0347	08/09/23	08/11/23	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **08/08/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	17.7	*142 %*	*30-150*		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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S2

Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - Prospect CO 26-09I4 Project Number: UWRWE-A3179-ABN Project Manager: Paul Henehan	**Reported:** 08/15/23 13:57

9FL01@4.0'

2308163-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **08/08/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BGH0330	08/09/23	08/10/23	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **08/08/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0291	*87.3 %*	*40-150*		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0155	*46.4 %*	*40-150*		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **08/08/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	**1.35**	0.0100	mg/L	1	BGH0492	08/11/23	08/12/23	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **08/08/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Summit Scientific

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Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - Prospect CO 26-09I4 Project Number: UWRWE-A3179-ABN Project Manager: Paul Henehan	**Reported:** 08/15/23 13:57

9FL01@4.0'

2308163-01 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Arsenic	**1.22**	0.200	mg/kg dry	1	BGH0394	08/10/23	08/11/23	EPA 6020B
Barium	**51.9**	0.400	"	"	"	"	"	"
Cadmium	ND	0.200	"	"	"	"	"	"
Copper	**4.19**	0.400	"	"	"	"	"	"
Lead	**6.40**	0.200	"	"	"	"	"	"
Nickel	**3.27**	0.400	"	"	"	"	"	"
Silver	**0.0211**	0.0200	"	"	"	"	"	"
Zinc	**16.5**	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **08/08/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BGH0462	08/11/23	08/11/23	EPA 7196A	

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

Date Sampled: **08/08/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	**349**	0.0574	mg/L dry	1	BGH0487	08/11/23	08/14/23	EPA 6020B	
Magnesium	**56.4**	0.0574	"	"	"	"	"	"	
Sodium	**52.5**	0.0574	"	"	"	"	"	"	

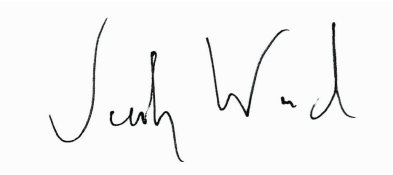
Calculated Analysis

Date Sampled: **08/08/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	**0.688**	0.00100	units	1	BGH0595	08/15/23	08/15/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific



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S2

Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - Prospect CO 26-09I4 Project Number: UWRWE-A3179-ABN Project Manager: Paul Henehan	**Reported:** 08/15/23 13:57

9FL01@4.0'

2308163-01 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/08/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	**87.1**		%	1	BGH0335	08/09/23	08/09/23	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/08/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	**0.607**	0.0100	mmhos/cm	1	BGH0539	08/14/23	08/14/23	EPA 120.1	

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

Date Sampled: **08/08/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	**7.92**		pH Units	1	BGH0540	08/14/23	08/14/23	EPA 9045D	

Summit Scientific

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Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - Prospect CO 26-09I4 Project Number: UWRWE-A3179-ABN Project Manager: Paul Henehan	**Reported:** 08/15/23 13:57

9FL06@5.0'

2308163-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/08/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BGH0343	08/09/23	08/11/23	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	**0.0058**	0.0050	"	"	"	"	"	"	
Xylenes (total)	**0.23**	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**0.57**	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**0.62**	0.0050	"	"	"	"	"	"	
Naphthalene	**0.019**	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	**240**	5.0	"	10	"	"	08/11/23	"	

Date Sampled: **08/08/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0229	*57.3 %*	*50-150*		"	"	*08/11/23*	"	
Surrogate: Toluene-d8	0.229	*573 %*	*50-150*		"	"	"	"	*S-02*
Surrogate: 4-Bromofluorobenzene	0.202	*504 %*	*50-150*		"	"	"	"	*S-02*

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **08/08/23 00:00**

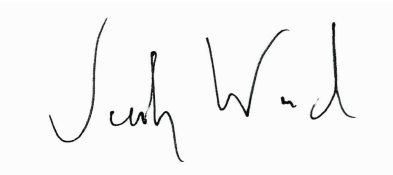
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	**1300**	50	mg/kg	1	BGH0347	08/09/23	08/11/23	EPA 8015M	
C28-C36 (ORO)	**200**	50	"	"	"	"	"	"	

Date Sampled: **08/08/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	16.0	*128 %*	*30-150*		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific



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S2

Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - Prospect CO 26-09I4 Project Number: UWRWE-A3179-ABN Project Manager: Paul Henehan	**Reported:** 08/15/23 13:57

9FL06@5.0'

2308163-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **08/08/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.0500	mg/kg	10	BGH0330	08/09/23	08/10/23	EPA 8270D SIM	R-05
Anthracene	ND	0.0500	"	"	"	"	"	"	R-05
Benzo (a) anthracene	ND	0.0500	"	"	"	"	"	"	R-05
Benzo (a) pyrene	ND	0.0500	"	"	"	"	"	"	R-05
Benzo (b) fluoranthene	ND	0.0500	"	"	"	"	"	"	R-05
Benzo (k) fluoranthene	ND	0.0500	"	"	"	"	"	"	R-05
Chrysene	ND	0.0500	"	"	"	"	"	"	R-05
Dibenz (a,h) anthracene	ND	0.0500	"	"	"	"	"	"	R-05
Fluoranthene	ND	0.0500	"	"	"	"	"	"	R-05
Fluorene	ND	0.0500	"	"	"	"	"	"	R-05
Indeno (1,2,3-cd) pyrene	ND	0.0500	"	"	"	"	"	"	R-05
Pyrene	ND	0.0500	"	"	"	"	"	"	R-05
1-Methylnaphthalene	**0.168**	0.0500	"	"	"	"	"	"	
2-Methylnaphthalene	**0.340**	0.0500	"	"	"	"	"	"	

Date Sampled: **08/08/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	-0.0732	*%*	*40-150*		"	"	"	"	*S-06*
Surrogate: Fluoranthene-d10	-0.0279	*%*	*40-150*		"	"	"	"	*S-06*

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **08/08/23 00:00**

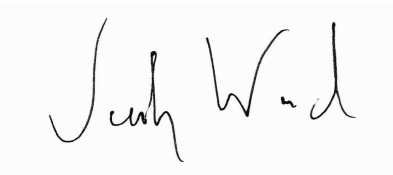
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	**1.28**	0.0100	mg/L	1	BGH0492	08/11/23	08/12/23	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **08/08/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Summit Scientific



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S2

Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - Prospect CO 26-09I4 Project Number: UWRWE-A3179-ABN Project Manager: Paul Henehan	**Reported:** 08/15/23 13:57

9FL06@5.0'

2308163-02 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Arsenic	**1.07**	0.200	mg/kg dry	1	BGH0394	08/10/23	08/11/23	EPA 6020B
Barium	**24.4**	0.400	"	"	"	"	"	"
Cadmium	ND	0.200	"	"	"	"	"	"
Copper	**1.74**	0.400	"	"	"	"	"	"
Lead	**2.03**	0.200	"	"	"	"	"	"
Nickel	**1.43**	0.400	"	"	"	"	"	"
Silver	ND	0.0200	"	"	"	"	"	"
Zinc	**6.51**	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **08/08/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BGH0462	08/11/23	08/11/23	EPA 7196A	

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

Date Sampled: **08/08/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	**47.4**	0.0567	mg/L dry	1	BGH0487	08/11/23	08/14/23	EPA 6020B	
Magnesium	**17.7**	0.0567	"	"	"	"	"	"	
Sodium	**28.7**	0.0567	"	"	"	"	"	"	

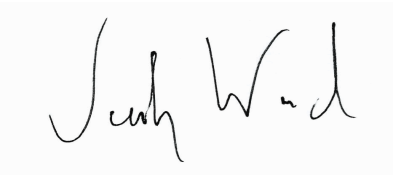
Calculated Analysis

Date Sampled: **08/08/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	**0.903**	0.00100	units	1	BGH0595	08/15/23	08/15/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific



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S2

Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - Prospect CO 26-09I4 Project Number: UWRWE-A3179-ABN Project Manager: Paul Henehan	**Reported:** 08/15/23 13:57

9FL06@5.0'

2308163-02 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/08/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	**88.2**		%	1	BGH0335	08/09/23	08/09/23	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/08/23 00:00**

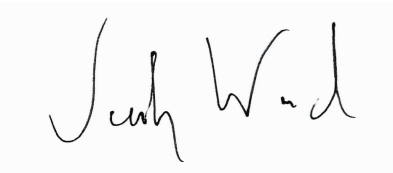
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	**0.804**	0.0100	mmhos/cm	1	BGH0539	08/14/23	08/14/23	EPA 120.1	

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

Date Sampled: **08/08/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	**6.41**		pH Units	1	BGH0540	08/14/23	08/14/23	EPA 9045D	

Summit Scientific



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S2

Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - Prospect CO 26-09I4 Project Number: UWRWE-A3179-ABN Project Manager: Paul Henehan	**Reported:** 08/15/23 13:57

BKG01@4.0'
2308163-03 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **08/08/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	**1.14**	0.0100	mg/L	1	BGH0492	08/11/23	08/12/23	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **08/08/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	**1.29**	0.200	mg/kg dry	1	BGH0394	08/10/23	08/11/23	EPA 6020B	
Barium	**56.8**	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	**3.65**	0.400	"	"	"	"	"	"	
Lead	**4.66**	0.200	"	"	"	"	"	"	
Nickel	**3.80**	0.400	"	"	"	"	"	"	
Silver	**0.0281**	0.0200	"	"	"	"	"	"	
Zinc	**15.1**	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **08/08/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BGH0462	08/11/23	08/11/23	EPA 7196A	

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

Date Sampled: **08/08/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	**120**	0.0549	mg/L dry	1	BGH0487	08/11/23	08/14/23	EPA 6020B	
Magnesium	**68.8**	0.0549	"	"	"	"	"	"	
Sodium	**61.6**	0.0549	"	"	"	"	"	"	

Summit Scientific

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S2

Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - Prospect CO 26-09I4 Project Number: UWRWE-A3179-ABN Project Manager: Paul Henehan	**Reported:** 08/15/23 13:57

BKG01@4.0'

2308163-03 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **08/08/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	**1.11**	0.00100	units	1	BGH0595	08/15/23	08/15/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/08/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	**91.0**		%	1	BGH0335	08/09/23	08/09/23	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/08/23 00:00**

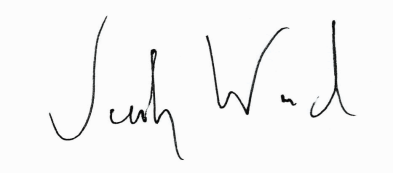
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	**0.354**	0.0100	mmhos/cm	1	BGH0539	08/14/23	08/14/23	EPA 120.1	

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

Date Sampled: **08/08/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	**7.54**		pH Units	1	BGH0540	08/14/23	08/14/23	EPA 9045D	

Summit Scientific



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S2

Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - Prospect CO 26-09I4 Project Number: UWRWE-A3179-ABN Project Manager: Paul Henehan	**Reported:** 08/15/23 13:57

BKG02@5.0'

2308163-04 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **08/08/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	**1.16**	0.0100	mg/L	1	BGH0492	08/11/23	08/12/23	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **08/08/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	**0.588**	0.200	mg/kg dry	1	BGH0394	08/10/23	08/11/23	EPA 6020B	
Barium	**31.4**	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	**1.63**	0.400	"	"	"	"	"	"	
Lead	**1.98**	0.200	"	"	"	"	"	"	
Nickel	**1.53**	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	**6.34**	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **08/08/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BGH0462	08/11/23	08/11/23	EPA 7196A	

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

Date Sampled: **08/08/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	**47.4**	0.0515	mg/L dry	1	BGH0487	08/11/23	08/14/23	EPA 6020B	
Magnesium	**28.7**	0.0515	"	"	"	"	"	"	
Sodium	**95.2**	0.0515	"	"	"	"	"	"	

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S2

Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - Prospect CO 26-09I4 Project Number: UWRWE-A3179-ABN Project Manager: Paul Henehan	**Reported:** 08/15/23 13:57

BKG02@5.0'

2308163-04 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **08/08/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	**2.69**	0.00100	units	1	BGH0595	08/15/23	08/15/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/08/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	**97.1**		%	1	BGH0335	08/09/23	08/09/23	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/08/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	**0.654**	0.0100	mmhos/cm	1	BGH0539	08/14/23	08/14/23	EPA 120.1	

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

Date Sampled: **08/08/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	**8.13**		pH Units	1	BGH0540	08/14/23	08/14/23	EPA 9045D	

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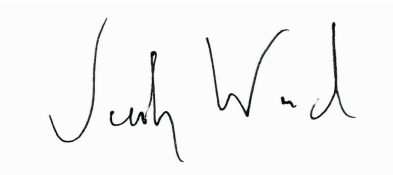

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Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - Prospect CO 26-09I4 Project Number: UWRWE-A3179-ABN Project Manager: Paul Henehan	**Reported:** 08/15/23 13:57

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGH0343 - EPA 5030 Soil MS										
Blank (BGH0343-BLK1)				Prepared: 08/09/23 Analyzed: 08/10/23						
Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
1,2,4-Trimethylbenzene	ND	0.0050	"							
1,3,5-Trimethylbenzene	ND	0.0050	"							
Naphthalene	ND	0.0038	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	*0.0371*		*"*	*0.0400*		*92.7*	*50-150*			
Surrogate: Toluene-d8	*0.0396*		*"*	*0.0400*		*99.1*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0353*		*"*	*0.0400*		*88.3*	*50-150*			
LCS (BGH0343-BS1)				Prepared: 08/09/23 Analyzed: 08/10/23						
Benzene	0.173	0.0020	mg/kg	0.150		115	70-130			
Toluene	0.182	0.0050	"	0.150		121	70-130			
Ethylbenzene	0.154	0.0050	"	0.150		102	70-130			
m,p-Xylene	0.320	0.010	"	0.300		107	70-130			
o-Xylene	0.160	0.0050	"	0.150		107	70-130			
1,2,4-Trimethylbenzene	0.169	0.0050	"	0.150		113	70-130			
1,3,5-Trimethylbenzene	0.170	0.0050	"	0.150		113	70-130			
Naphthalene	0.137	0.0038	"	0.150		91.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0429*		*"*	*0.0400*		*107*	*50-150*			
Surrogate: Toluene-d8	*0.0394*		*"*	*0.0400*		*98.4*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0366*		*"*	*0.0400*		*91.4*	*50-150*			
Matrix Spike (BGH0343-MS1)		**Source: 2308140-01**		Prepared: 08/09/23 Analyzed: 08/10/23						
Benzene	0.148	0.0020	mg/kg	0.150	ND	98.6	70-130			
Toluene	0.152	0.0050	"	0.150	ND	101	70-130			
Ethylbenzene	0.166	0.0050	"	0.150	ND	110	70-130			
m,p-Xylene	0.328	0.010	"	0.300	ND	109	70-130			
o-Xylene	0.151	0.0050	"	0.150	ND	100	70-130			
1,2,4-Trimethylbenzene	0.138	0.0050	"	0.150	ND	91.7	70-130			
1,3,5-Trimethylbenzene	0.137	0.0050	"	0.150	ND	91.2	70-130			
Naphthalene	0.144	0.0038	"	0.150	ND	96.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0284*		*"*	*0.0400*		*70.9*	*50-150*			
Surrogate: Toluene-d8	*0.0405*		*"*	*0.0400*		*101*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0390*		*"*	*0.0400*		*97.4*	*50-150*			

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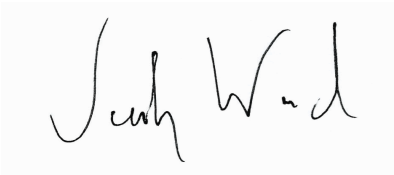

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Volatile Organic Compounds by EPA Method 8260B - Quality Control

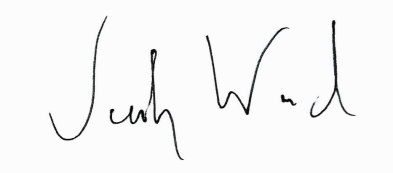
Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGH0343 - EPA 5030 Soil MS										
Matrix Spike Dup (BGH0343-MSD1)		**Source: 2308140-01**		Prepared: 08/09/23 Analyzed: 08/10/23						
Benzene	0.140	0.0020	mg/kg	0.150	ND	93.7	70-130	5.12	30	
Toluene	0.146	0.0050	"	0.150	ND	97.1	70-130	4.29	30	
Ethylbenzene	0.152	0.0050	"	0.150	ND	102	70-130	8.24	30	
m,p-Xylene	0.302	0.010	"	0.300	ND	101	70-130	8.21	30	
o-Xylene	0.145	0.0050	"	0.150	ND	96.6	70-130	3.80	30	
1,2,4-Trimethylbenzene	0.118	0.0050	"	0.150	ND	78.9	70-130	15.1	30	
1,3,5-Trimethylbenzene	0.124	0.0050	"	0.150	ND	82.5	70-130	10.1	30	
Naphthalene	0.116	0.0038	"	0.150	ND	77.3	70-130	21.7	30	
Surrogate: 1,2-Dichloroethane-d4	*0.0396*		*"*	*0.0400*		*98.9*	*50-150*			
Surrogate: Toluene-d8	*0.0431*		*"*	*0.0400*		*108*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0440*		*"*	*0.0400*		*110*	*50-150*			

Extractable Petroleum Hydrocarbons by 8015 - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGH0347 - EPA 3550A										
Blank (BGH0347-BLK1)				Prepared: 08/09/23 Analyzed: 08/10/23						
C10-C28 (DRO)	ND	50	mg/kg							
C28-C36 (ORO)	ND	50	"							
Surrogate: o-Terphenyl	*10.1*		*"*	*12.5*		*80.9*	*30-150*			
LCS (BGH0347-BS1)				Prepared: 08/09/23 Analyzed: 08/10/23						
C10-C28 (DRO)	426	50	mg/kg	500		85.3	70-130			
Surrogate: o-Terphenyl	*12.3*		*"*	*12.5*		*98.1*	*30-150*			
Matrix Spike (BGH0347-MS1)		**Source: 2308140-01**		Prepared: 08/09/23 Analyzed: 08/10/23						
C10-C28 (DRO)	444	50	mg/kg	500	46.1	79.6	70-130			
Surrogate: o-Terphenyl	*8.36*		*"*	*12.5*		*66.9*	*30-150*			
Matrix Spike Dup (BGH0347-MSD1)		**Source: 2308140-01**		Prepared: 08/09/23 Analyzed: 08/10/23						
C10-C28 (DRO)	500	50	mg/kg	500	46.1	90.8	70-130	11.9	20	
Surrogate: o-Terphenyl	*11.5*		*"*	*12.5*		*92.2*	*30-150*			



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Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - Prospect CO 26-09I4 Project Number: UWRWE-A3179-ABN Project Manager: Paul Henehan	**Reported:** 08/15/23 13:57

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGH0330 - EPA 5030 Soil MS										
Blank (BGH0330-BLK1)				Prepared & Analyzed: 08/09/23						
Acenaphthene	ND	0.00500	mg/kg							
Anthracene	ND	0.00500	"							
Benzo (a) anthracene	ND	0.00500	"							
Benzo (a) pyrene	ND	0.00500	"							
Benzo (b) fluoranthene	ND	0.00500	"							
Benzo (k) fluoranthene	ND	0.00500	"							
Chrysene	ND	0.00500	"							
Dibenz (a,h) anthracene	ND	0.00500	"							
Fluoranthene	ND	0.00500	"							
Fluorene	ND	0.00500	"							
Indeno (1,2,3-cd) pyrene	ND	0.00500	"							
Pyrene	ND	0.00500	"							
1-Methylnaphthalene	ND	0.00500	"							
2-Methylnaphthalene	ND	0.00500	"							
Surrogate: 2-Methylnaphthalene-d10	*0.0310*		*"*	*0.0333*		*93.0*	*40-150*			
Surrogate: Fluoranthene-d10	*0.0257*		*"*	*0.0333*		*77.2*	*40-150*			
LCS (BGH0330-BS1)				Prepared & Analyzed: 08/09/23						
Acenaphthene	0.0298	0.00500	mg/kg	0.0333		89.4	31-137			
Anthracene	0.0298	0.00500	"	0.0333		89.5	30-120			
Benzo (a) anthracene	0.0265	0.00500	"	0.0333		79.5	30-120			
Benzo (a) pyrene	0.0291	0.00500	"	0.0333		87.4	30-120			
Benzo (b) fluoranthene	0.0318	0.00500	"	0.0333		95.4	30-120			
Benzo (k) fluoranthene	0.0313	0.00500	"	0.0333		93.8	30-120			
Chrysene	0.0308	0.00500	"	0.0333		92.4	30-120			
Dibenz (a,h) anthracene	0.0286	0.00500	"	0.0333		85.9	30-120			
Fluoranthene	0.0288	0.00500	"	0.0333		86.3	30-120			
Fluorene	0.0289	0.00500	"	0.0333		86.8	30-120			
Indeno (1,2,3-cd) pyrene	0.0300	0.00500	"	0.0333		89.9	30-120			
Pyrene	0.0327	0.00500	"	0.0333		98.1	35-142			
1-Methylnaphthalene	0.0271	0.00500	"	0.0333		81.3	35-142			
2-Methylnaphthalene	0.0294	0.00500	"	0.0333		88.3	35-142			
Surrogate: 2-Methylnaphthalene-d10	*0.0316*		*"*	*0.0333*		*94.8*	*40-150*			
Surrogate: Fluoranthene-d10	*0.0299*		*"*	*0.0333*		*89.6*	*40-150*			

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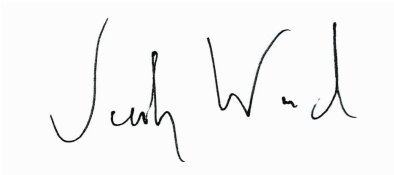

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Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - Prospect CO 26-09I4 Project Number: UWRWE-A3179-ABN Project Manager: Paul Henehan	**Reported:** 08/15/23 13:57

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGH0330 - EPA 5030 Soil MS										
Matrix Spike (BGH0330-MS1)		**Source: 2308115-18**		Prepared & Analyzed: 08/09/23						
Acenaphthene	0.0163	0.00500	mg/kg	0.0333	ND	48.9	31-137			
Anthracene	0.0161	0.00500	"	0.0333	ND	48.3	30-120			
Benzo (a) anthracene	0.0142	0.00500	"	0.0333	ND	42.5	30-120			
Benzo (a) pyrene	0.0143	0.00500	"	0.0333	ND	42.8	30-120			
Benzo (b) fluoranthene	0.0171	0.00500	"	0.0333	ND	51.3	30-120			
Benzo (k) fluoranthene	0.0174	0.00500	"	0.0333	ND	52.2	30-120			
Chrysene	0.0175	0.00500	"	0.0333	ND	52.6	30-120			
Dibenz (a,h) anthracene	0.0154	0.00500	"	0.0333	ND	46.3	30-120			
Fluoranthene	0.0152	0.00500	"	0.0333	ND	45.6	30-120			
Fluorene	0.0163	0.00500	"	0.0333	ND	48.9	30-120			
Indeno (1,2,3-cd) pyrene	0.0139	0.00500	"	0.0333	ND	41.8	30-120			
Pyrene	0.0227	0.00500	"	0.0333	ND	68.1	35-142			
1-Methylnaphthalene	0.0161	0.00500	"	0.0333	ND	48.4	15-130			
2-Methylnaphthalene	0.0189	0.00500	"	0.0333	ND	56.7	15-130			
Surrogate: 2-Methylnaphthalene-d10	*0.0162*		*"*	*0.0333*		*48.6*	*40-150*			
Surrogate: Fluoranthene-d10	*0.0137*		*"*	*0.0333*		*41.2*	*40-150*			
Matrix Spike Dup (BGH0330-MSD1)		**Source: 2308115-18**		Prepared & Analyzed: 08/09/23						
Acenaphthene	0.0139	0.00500	mg/kg	0.0333	ND	41.8	31-137	15.7	30	
Anthracene	0.0142	0.00500	"	0.0333	ND	42.6	30-120	12.5	30	
Benzo (a) anthracene	0.0135	0.00500	"	0.0333	ND	40.6	30-120	4.55	30	
Benzo (a) pyrene	0.0147	0.00500	"	0.0333	ND	44.1	30-120	2.90	30	
Benzo (b) fluoranthene	0.0160	0.00500	"	0.0333	ND	48.0	30-120	6.74	30	
Benzo (k) fluoranthene	0.0159	0.00500	"	0.0333	ND	47.7	30-120	9.16	30	
Chrysene	0.0159	0.00500	"	0.0333	ND	47.8	30-120	9.72	30	
Dibenz (a,h) anthracene	0.0141	0.00500	"	0.0333	ND	42.3	30-120	9.11	30	
Fluoranthene	0.0144	0.00500	"	0.0333	ND	43.2	30-120	5.47	30	
Fluorene	0.0143	0.00500	"	0.0333	ND	42.9	30-120	13.1	30	
Indeno (1,2,3-cd) pyrene	0.0140	0.00500	"	0.0333	ND	42.0	30-120	0.611	30	
Pyrene	0.0174	0.00500	"	0.0333	ND	52.3	35-142	26.3	30	
1-Methylnaphthalene	0.0167	0.00500	"	0.0333	ND	50.1	15-130	3.53	50	
2-Methylnaphthalene	0.0146	0.00500	"	0.0333	ND	43.7	15-130	25.9	50	
Surrogate: 2-Methylnaphthalene-d10	*0.0162*		*"*	*0.0333*		*48.7*	*40-150*			
Surrogate: Fluoranthene-d10	*0.0138*		*"*	*0.0333*		*41.5*	*40-150*			

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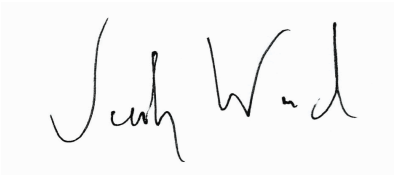

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Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - Prospect CO 26-09I4 Project Number: UWRWE-A3179-ABN Project Manager: Paul Henehan	**Reported:** 08/15/23 13:57

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

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGH0492 - EPA 3050B										
Blank (BGH0492-BLK1)				Prepared: 08/11/23 Analyzed: 08/12/23						
Boron	ND	0.0100	mg/L							
LCS (BGH0492-BS1)				Prepared: 08/11/23 Analyzed: 08/12/23						
Boron	5.72	0.0100	mg/L	5.00		114	80-120			
Duplicate (BGH0492-DUP1)		**Source: 2308161-01**		Prepared: 08/11/23 Analyzed: 08/12/23						
Boron	1.16	0.0100	mg/L		1.18			2.14	20	
Matrix Spike (BGH0492-MS1)		**Source: 2308161-01**		Prepared: 08/11/23 Analyzed: 08/12/23						
Boron	6.88	0.0100	mg/L	5.00	1.18	114	75-125			
Matrix Spike Dup (BGH0492-MSD1)		**Source: 2308161-01**		Prepared: 08/11/23 Analyzed: 08/12/23						
Boron	6.95	0.0100	mg/L	5.00	1.18	115	75-125	0.914	25	

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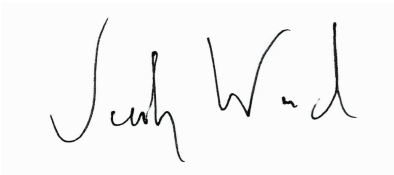

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Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - Prospect CO 26-09I4 Project Number: UWRWE-A3179-ABN Project Manager: Paul Henehan	**Reported:** 08/15/23 13:57

Total Metals by EPA 6020B - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGH0394 - EPA 3050B										
Blank (BGH0394-BLK1)				Prepared: 08/10/23 Analyzed: 08/11/23						
Arsenic	ND	0.200	mg/kg wet							
Barium	ND	0.400	"							
Cadmium	ND	0.200	"							
Copper	ND	0.400	"							
Lead	ND	0.200	"							
Nickel	ND	0.400	"							
Silver	ND	0.0200	"							
Zinc	ND	0.400	"							
Selenium	ND	0.260	"							
LCS (BGH0394-BS1)				Prepared: 08/10/23 Analyzed: 08/11/23						
Arsenic	32.9	0.200	mg/kg wet	40.0		82.3	80-120			
Barium	36.5	0.400	"	40.0		91.2	80-120			
Cadmium	1.89	0.200	"	2.00		94.7	80-120			
Copper	40.3	0.400	"	40.0		101	80-120			
Lead	18.4	0.200	"	20.0		91.9	80-120			
Nickel	39.6	0.400	"	40.0		99.1	80-120			
Silver	1.87	0.0200	"	2.00		93.3	80-120			
Zinc	40.8	0.400	"	40.0		102	80-120			
Duplicate (BGH0394-DUP1)		**Source: 2308162-01**		Prepared: 08/10/23 Analyzed: 08/11/23						
Arsenic	1.06	0.200	mg/kg dry		0.907			15.3	20	
Barium	47.6	0.400	"		40.7			15.6	20	
Cadmium	0.177	0.200	"		0.134			27.4	20	QR-01
Copper	6.72	0.400	"		5.75			15.5	20	
Lead	7.67	0.200	"		12.7			49.2	20	QR-04
Nickel	2.63	0.400	"		2.26			14.9	20	
Silver	0.0157	0.0200	"		0.0121			25.8	20	QR-01
Zinc	20.4	0.400	"		17.7			14.3	20	
Selenium	ND	0.260	"		ND				200	

Summit Scientific

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S2

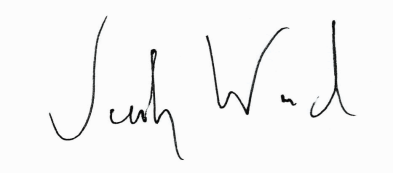
Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - Prospect CO 26-09I4 Project Number: UWRWE-A3179-ABN Project Manager: Paul Henehan	**Reported:** 08/15/23 13:57

Total Metals by EPA 6020B - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGH0394 - EPA 3050B										
Matrix Spike (BGH0394-MS1)		**Source: 2308162-01**		Prepared: 08/10/23 Analyzed: 08/11/23						
Arsenic	37.8	0.200	mg/kg dry	45.0	0.907	82.1	75-125			
Barium	96.2	0.400	"	45.0	40.7	123	75-125			
Cadmium	2.34	0.200	"	2.25	0.134	97.9	75-125			
Copper	44.0	0.400	"	45.0	5.75	85.1	75-125			
Lead	113	0.200	"	22.5	12.7	446	75-125			QM-07
Nickel	38.2	0.400	"	45.0	2.26	80.0	75-125			
Silver	2.09	0.0200	"	2.25	0.0121	92.3	75-125			
Zinc	57.3	0.400	"	45.0	17.7	88.2	75-125			
Matrix Spike Dup (BGH0394-MSD1)		**Source: 2308162-01**		Prepared: 08/10/23 Analyzed: 08/11/23						
Arsenic	37.2	0.200	mg/kg dry	45.0	0.907	80.6	75-125	1.85	25	
Barium	96.5	0.400	"	45.0	40.7	124	75-125	0.290	25	
Cadmium	2.36	0.200	"	2.25	0.134	98.8	75-125	0.805	25	
Copper	44.4	0.400	"	45.0	5.75	85.9	75-125	0.832	25	
Lead	113	0.200	"	22.5	12.7	447	75-125	0.252	25	QM-07
Nickel	38.7	0.400	"	45.0	2.26	80.9	75-125	1.11	25	
Silver	2.07	0.0200	"	2.25	0.0121	91.3	75-125	1.06	25	
Zinc	57.3	0.400	"	45.0	17.7	88.2	75-125	0.00314	25	
Post Spike (BGH0394-PS1)		**Source: 2308162-01**		Prepared: 08/10/23 Analyzed: 08/11/23						
Arsenic	85.0		ug/l	100	2.02	83.0	75-125			
Barium	175		"	100	90.5	85.0	75-125			
Cadmium	5.00		"	5.00	0.299	94.0	75-125			
Copper	102		"	100	12.8	88.8	75-125			
Lead	73.2		"	50.0	28.2	90.0	75-125			
Nickel	92.6		"	100	5.03	87.5	75-125			
Silver	4.65		"	5.00	0.0270	92.4	75-125			
Zinc	132		"	100	39.3	92.6	75-125			

Summit Scientific



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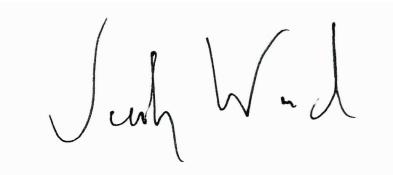
Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - Prospect CO 26-09I4 Project Number: UWRWE-A3179-ABN Project Manager: Paul Henehan	**Reported:** 08/15/23 13:57

Hexavalent Chromium by EPA Method 7196 - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGH0462 - 3060A_Mod										
Blank (BGH0462-BLK1)				Prepared & Analyzed: 08/11/23						
Chromium, Hexavalent	ND	0.30	mg/kg wet							
LCS (BGH0462-BS1)				Prepared & Analyzed: 08/11/23						
Chromium, Hexavalent	25.8	0.30	mg/kg wet	25.0		103	80-120			
Duplicate (BGH0462-DUP1)		**Source: 2308038-08**		Prepared & Analyzed: 08/11/23						
Chromium, Hexavalent	ND	0.30	mg/kg dry		ND				20	
Matrix Spike (BGH0462-MS1)		**Source: 2308038-08**		Prepared & Analyzed: 08/11/23						
Chromium, Hexavalent	31.6	0.30	mg/kg dry	31.2	ND	101	75-125			
Matrix Spike Dup (BGH0462-MSD1)		**Source: 2308038-08**		Prepared & Analyzed: 08/11/23						
Chromium, Hexavalent	32.6	0.30	mg/kg dry	31.2	ND	104	75-125	2.92	20	

Summit Scientific



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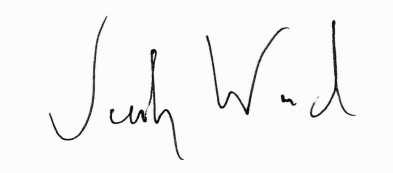
Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - Prospect CO 26-09I4 Project Number: UWRWE-A3179-ABN Project Manager: Paul Henehan	**Reported:** 08/15/23 13:57

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

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGH0487 - General Preparation										
Blank (BGH0487-BLK1)				Prepared: 08/11/23 Analyzed: 08/14/23						
Calcium	ND	0.0500	mg/L wet							
Magnesium	ND	0.0500	"							
Sodium	ND	0.0500	"							
LCS (BGH0487-BS1)				Prepared: 08/11/23 Analyzed: 08/14/23						
Calcium	4.09	0.0500	mg/L wet	5.00		81.9	70-130			
Magnesium	5.40	0.0500	"	5.00		108	70-130			
Sodium	6.12	0.0500	"	5.00		122	70-130			

Summit Scientific



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

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGH0335 - General Preparation										
Duplicate (BGH0335-DUP1)		**Source: 2308163-01**		Prepared & Analyzed: 08/09/23						
% Solids	87.6		%		87.1			0.520	20	

S2

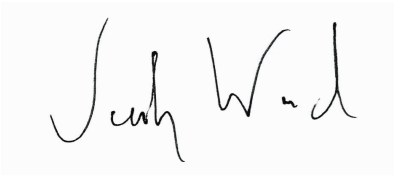
Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - Prospect CO 26-09I4 Project Number: UWRWE-A3179-ABN Project Manager: Paul Henehan	**Reported:** 08/15/23 13:57

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

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGH0539 - General Preparation										
Blank (BGH0539-BLK1)				Prepared & Analyzed: 08/14/23						
Specific Conductance (EC)	ND	0.0100	mmhos/cm							
LCS (BGH0539-BS1)				Prepared & Analyzed: 08/14/23						
Specific Conductance (EC)	0.154	0.0100	mmhos/cm	0.150		103	95-105			
Duplicate (BGH0539-DUP1)		**Source: 2308161-01**		Prepared & Analyzed: 08/14/23						
Specific Conductance (EC)	1.01	0.0100	mmhos/cm		1.03			2.55	20	

Summit Scientific



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Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - Prospect CO 26-09I4 Project Number: UWRWE-A3179-ABN Project Manager: Paul Henehan	**Reported:** 08/15/23 13:57

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

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGH0540 - General Preparation										
LCS (BGH0540-BS1)				Prepared & Analyzed: 08/14/23						
pH	9.01		pH Units	9.18		98.1	95-105			
Duplicate (BGH0540-DUP1)		**Source: 2308161-01**		Prepared & Analyzed: 08/14/23						
pH	8.03		pH Units		8.05			0.249	20	

Summit Scientific

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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interferences.
S-02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
R-05	The sample was diluted due to the presence of high levels of non-target analytes resulting in elevated reporting limits.
QR-04	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QR-01	Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit. QC batch accepted based on LCS and/or LCSD QC results.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS/LCSD recovery.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference