

# **FREMONT ENVIRONMENTAL INC.**

April 12, 2023

Mr. Daniel Peterson  
Noble Energy Inc.  
2115 117<sup>th</sup> Avenue  
Greeley, CO 80634

Subject:           **Flowline Closure Data Submittal**  
Parker 29-34  
API # 05-123-20684  
SWSE Sec. 29, T2N, R64W  
Weld County, Colorado  
Fremont Project No. C023-104  
Facility # 262080, Remediation #26176

Dear Mr. Peterson:

As you requested, Fremont Environmental Inc. (Fremont) personnel conducted Flowline Closure activities for the Noble Energy Inc. (Noble) Parker 29-34. Impacted soil was not encountered during abandonment activities. Details of the Parker 29-34 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

## 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: Baumgartner-62N64W 29SWSW Facility: 305210		Date: 04/10/2023-04/12/2023						Remediation Project #: 26176	
Associated Wells: Parker 29-34 Facility ID: 262080 API: 05-123-20684		Age of Site: 2002						Number of Photos Attached: 14 Photos	

Starting point: (GPS coordinates and descriptions) 40.104941, -104.573197

End point: (GPS coordinates and descriptions) 40.106079, -104.583962

USCS Soil Type: SC 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)  
**None observed**

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	2002							
Length	3,075ft							
Construction Material	YL Jacket /GN FBE							
Were flowlines pulled?	Yes							
Visual Integrity of lines	No Damage							
Visual impacts if trenched	N/A							
PID Readings if trenched	High @ 1.3ppm							
Sample taken? Location/Sample ID#	FL01@4.0' FL08@4.0' FL09@5.0' FL15@3.5'							
Photo Number(s)	Photo 1A-1N							

Other observations regarding on loction flowlines:  
Construction material change discovered at FL08@4.0'. Flowline went from yellow jacket coating to green FBE coating. Samples collected at that location and were submitted for lab analysis.

### Summary

Was impacted soil identified?		<b>No</b>	Yes - less than 10 cubic yards	Yes - more than 10 cubic yards
Total number of samples field screened: 11 samples		Total number of samples collected: 15 samples		
Highest PID Reading: High @ 1.3ppm (FL08@4.0')		Total number of samples submitted to lab for analysis: 4 Samples		
If more than 10 cubic yards of impacted soil were observed:				
Vertical extent: N/A		Estimated spill volume: N/A		
Lateral extent: N/A		Volume of soil removed: N/A		
Is additional investigation required? N/A				
Was groundwater encountered during the investigation?				
<b>No</b>		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.**  
**PARKER 29-34, WELD COUNTY, COLORADO**  
**FREMONT PROJECT NO. C023-104**

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)
COGCC Table 915-1 Limits (Residential SSL)			1.2	490	5.8	58	30	27	2	500		
COGCC Table 915-1 Limits (Protection of Groundwater SSL)			0.0026	0.69	0.78	9.9	0.0081	0.0087	0.0038	500		
FL01@4.0'	4/10/2023	4.0 Ft	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50
FL08@4.0'	4/10/2023	4.0 Ft	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50
FL09@5.0'	4/12/2023	5.0 Ft	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50
FL15@3.5'	4/12/2023	3.5 Ft	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50

Bold faced values exceed the COGCC Table 915-1 concentrations

Red & blue highlighted 915-1 Limits indicate the referenced soil screening level (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.  
PARKER 29-34, WELD COUNTY, COLORADO  
FREMONT PROJECT NO. C023-104

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)
COGCC 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
COGCC 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
FL01@4.0'	4/10/2023	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
FL08@4.0'	4/10/2023	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
FL09@5.0'	4/12/2023	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	<0.00500	<0.00500
FL15@3.5'	4/12/2023	3.5 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

Bold faced values exceed the COGCC Table 915-1 concentrations

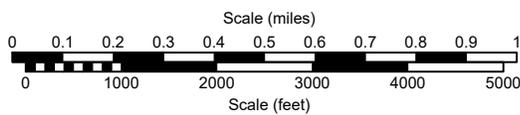
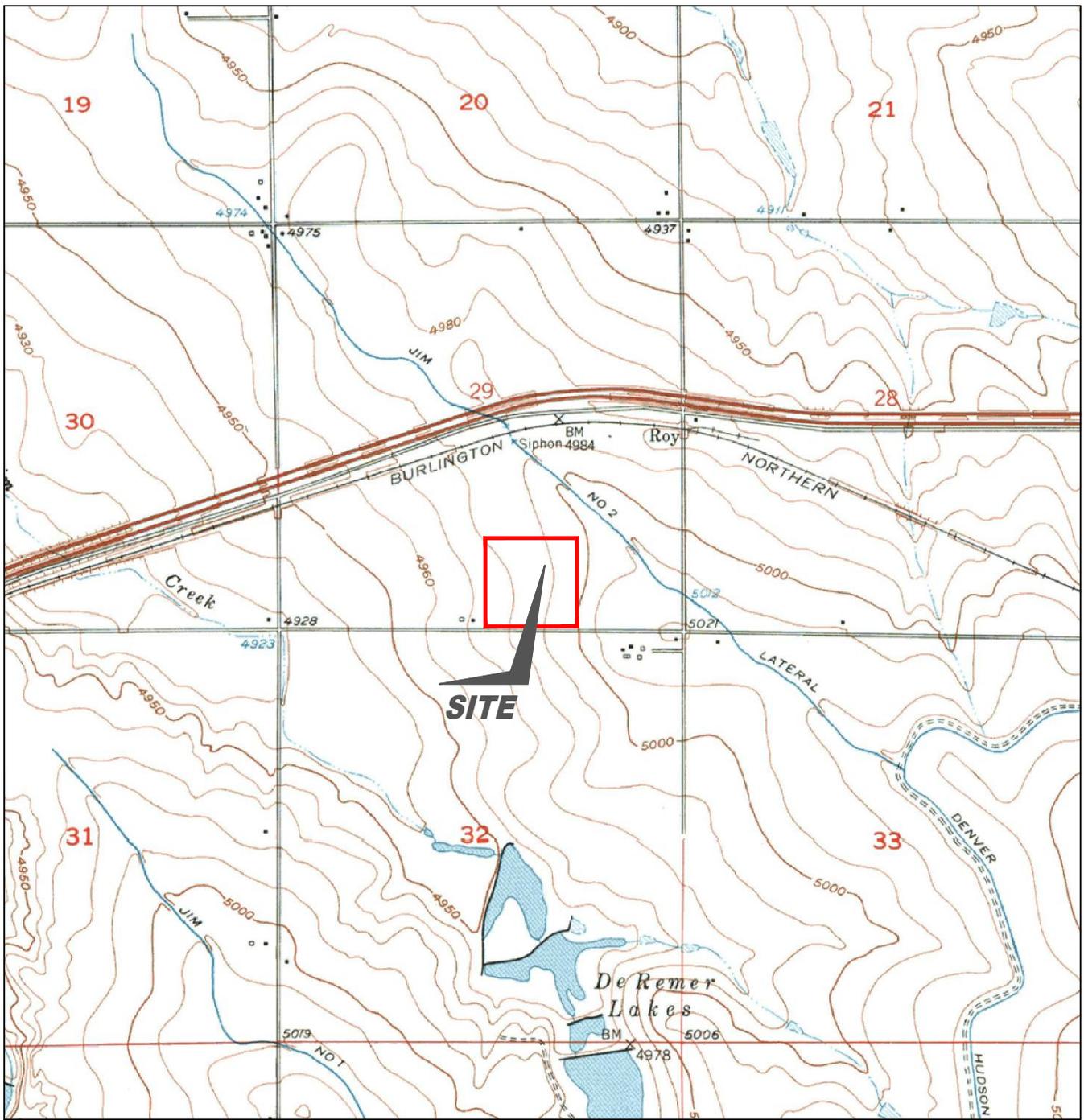
Red & blue highlighted 915-1 Limits indicate the referenced soil screening level (SSL)

**TABLE 3**  
**SUMMARY OF SOIL SUITABILITY FOR RECLAMATION**  
**NOBLE ENERGY INC.**  
**PARKER 29-34, WELD COUNTY, COLORADO**  
**FREMONT PROJECT NO. C023-104**

Sample ID	Sample Date	Depth (ft)	pH	EC (mmhos/cm)	SAR	Boron (mg/L)
COGCC Table 915-1 Soil Suitability Limits			6 - 8.3	<4	<6	2
FL01@4.0'	4/10/2023	4.0 Ft	8.00	0.452	2.12	0.136
FL08@4.0'	4/10/2023	4.0 Ft	7.81	0.580	3.21	0.274
FL09@5.0'	4/12/2023	5.0 Ft	7.82	1.12	3.97	0.306
FL15@3.5'	4/12/2023	3.5 Ft	7.98	0.324	1.66	0.168

Bold faced values exceed the COGCC Table 915-1 concentrations

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



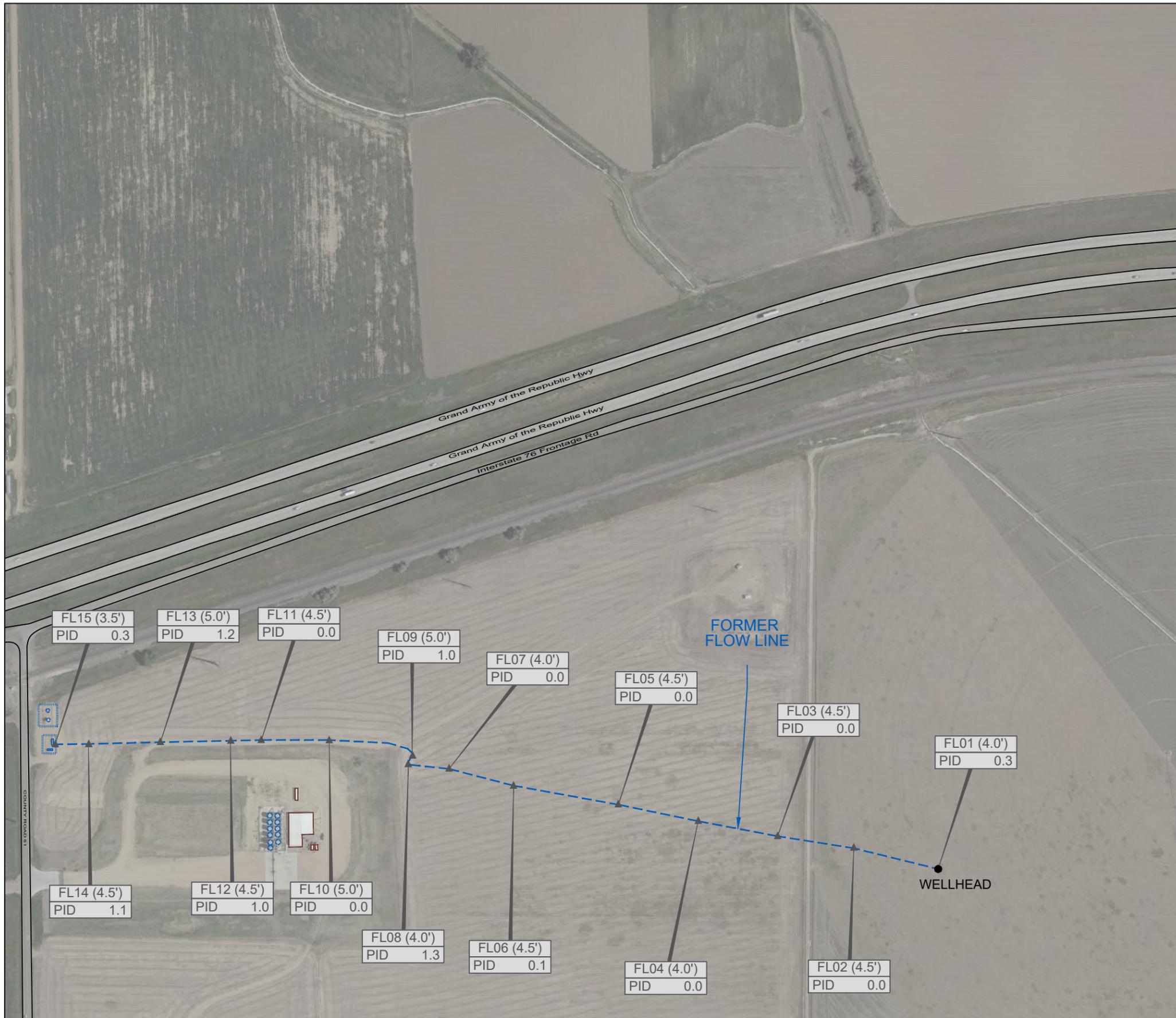
USGS 7.5 MINUTE SERIES (TOPOGRAPHIC)

Figure 1  
SITE LOCATION MAP

**NOBLE ENERGY INC - PARKER 29-34**  
 SWSE Sec. 29, T2N, R64W, 6th PM  
 Weld County, Colorado  
 40.104950°, -104.573210°

Project # <b>CO23-104</b>	API # <b>05-123-20684</b>	Facility # <b>262080</b>
Date <b>10/17/2023</b>	Remediation # <b>26176</b>	Filename <b>23104T</b>





**LEGEND**

- WELLHEAD LOCATION
  - ▲ PID READING LOCATION
  - ABOVE GROUND STORAGE TANK
  - ▭ BUILDING
  - ▭ FORMER FACILITY
  - FENCE LINE
  - ⋯ CONTAINMENT BERM
  - - - FLOW LINE
- |      |         |   |
|------|---------|---|
| FL01 | PID 0.1 | PID READING LOCATION IDENTIFICATION<br>PHOTO IONIZATION DETECTION (ppm) |
|      |         |   |

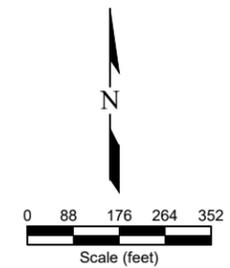


Figure 2  
**SITE MAP**

**NOBLE ENERGY INC - PARKER 29-34**  
 SWSE Sec. 29, T2N, R64W, 6th PM  
 Weld County, Colorado  
 40.104950°, -104.573210°

Project # <b>CO23-104</b>	API # <b>05-123-20684</b>	Facility # <b>262080</b>
Date <b>10/17/2023</b>	Remediation # <b>26176</b>	Filename <b>23104Q</b>





**LEGEND**

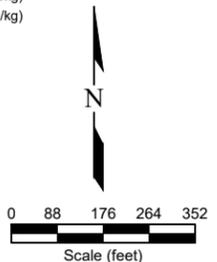
- WELLHEAD LOCATION
- ⊗ SOIL SAMPLE LOCATION
- ABOVE GROUND STORAGE TANK
- ▭ BUILDING
- ▭ FORMER FACILITY
- FENCE LINE
- ||||| CONTAINMENT BERM
- - - FLOW LINE

4/7/2023		DATE SAMPLED
FL01 (4')	ACE	<0.00500
	Ant	<0.00500
	BaA	<0.00500
	BbF	<0.00500
	BkF	<0.00500
	BaP	<0.00500
	Chr	<0.00500
	DBahAnt	<0.00500
	FLU	<0.00500
	FL	<0.00500
	I123cdPY	<0.00500
	1MN	<0.00500
	2MN	<0.00500
	PY	<0.00500

4/7/2023		DATE SAMPLED
FL01 (4')	SAR	0.960
	pH	8.04
	EC	0.385
	B	0.270

4/7/2023		DATE SAMPLED
FL01 (4')	B	<0.0020
	T	<0.0050
	E	<0.0050
	X	<0.010
	124TMB	<0.0050
	135TMB	<0.0050
	N	<0.0038
	G	<0.50
	D	<0.50
	O	<0.50

4/10/2023		DATE SAMPLED
FL01 (4.0')	SAR	2.12
	pH	8.00
	EC	0.452
	B	0.138



04/12/2023		DATE SAMPLED
FL09 (5.0')	ACE	<0.00500
	Ant	<0.00500
	BaA	<0.00500
	BbF	<0.00500
	BkF	<0.00500
	BaP	<0.00500
	Chr	<0.00500
	DBahAnt	<0.00500
	FLU	<0.00500
	FL	<0.00500
	I123cdPY	<0.00500
	1MN	<0.00500
	2MN	<0.00500
	PY	<0.00500

04/12/2023		DATE SAMPLED
FL09 (5.0')	B	<0.0020
	T	<0.0050
	E	<0.0050
	X	<0.010
	124TMB	<0.0050
	135TMB	<0.0050
	N	<0.0038
	G	<0.50
	D	<0.50
	O	<0.50

04/12/2023		DATE SAMPLED
FL09 (5.0')	SAR	3.97
	pH	7.82
	EC	1.12
	B	0.308

04/10/2023		DATE SAMPLED
FL01 (4.0')	ACE	<0.00500
	Ant	<0.00500
	BaA	<0.00500
	BbF	<0.00500
	BkF	<0.00500
	BaP	<0.00500
	Chr	<0.00500
	DBahAnt	<0.00500
	FLU	<0.00500
	FL	<0.00500
	I123cdPY	<0.00500
	1MN	<0.00500
	2MN	<0.00500
	PY	<0.00500

04/10/2023		DATE SAMPLED
FL01 (4.0')	B	<0.0020
	T	<0.0050
	E	<0.0050
	X	<0.010
	124TMB	<0.0050
	135TMB	<0.0050
	N	<0.0038
	G	<0.50
	D	<0.50
	O	<0.50

04/10/2023		DATE SAMPLED
FL01 (4.0')	SAR	2.12
	pH	8.00
	EC	0.452
	B	0.138

04/12/2023		DATE SAMPLED
FL15 (3.5')	ACE	<0.00500
	Ant	<0.00500
	BaA	<0.00500
	BbF	<0.00500
	BkF	<0.00500
	BaP	<0.00500
	Chr	<0.00500
	DBahAnt	<0.00500
	FLU	<0.00500
	FL	<0.00500
	I123cdPY	<0.00500
	1MN	<0.00500
	2MN	<0.00500
	PY	<0.00500

04/12/2023		DATE SAMPLED
FL15 (3.5')	B	<0.0020
	T	<0.0050
	E	<0.0050
	X	<0.010
	124TMB	<0.0050
	135TMB	<0.0050
	N	<0.0038
	G	<0.50
	D	<0.50
	O	<0.50

04/12/2023		DATE SAMPLED
FL15 (3.5')	SAR	1.66
	pH	7.98
	EC	0.324
	B	0.168

04/10/2023		DATE SAMPLED
FL08 (4.0')	ACE	<0.00500
	Ant	<0.00500
	BaA	<0.00500
	BbF	<0.00500
	BkF	<0.00500
	BaP	<0.00500
	Chr	<0.00500
	DBahAnt	<0.00500
	FLU	<0.00500
	FL	<0.00500
	I123cdPY	<0.00500
	1MN	<0.00500
	2MN	<0.00500
	PY	<0.00500

04/10/2023		DATE SAMPLED
FL08 (4.0')	B	<0.0020
	T	<0.0050
	E	<0.0050
	X	<0.010
	124TMB	<0.0050
	135TMB	<0.0050
	N	<0.0038
	G	<0.50
	D	<0.50
	O	<0.50

04/10/2023		DATE SAMPLED
FL08 (4.0')	SAR	3.21
	pH	7.81
	EC	0.580
	B	0.274

**Figure 3  
SOIL CHEMISTRY MAP**

**NOBLE ENERGY INC - PARKER 29-34**  
SWSE Sec. 29, T2N, R64W, 6th PM  
Weld County, Colorado  
40.104950°, -104.573210°

Project # <b>CO23-104</b>	API # <b>05-123-20684</b>	Facility # <b>262080</b>	
Date <b>10/17/2023</b>	Remediation # <b>26176</b>	Filename <b>23104Q</b>	

# Photo Log



*Description:*

--

# Photo Log



*Description:*

--

# Photo Log



*Description:*

# Photo Log



*Description:*

--

# Photo Log



*Description:*

--

# Photo Log



*Description:*

--

# Photo Log



*Description:*

--

# Photo Log



*Description:*

--

# Photo Log



*Description:*

--

# Photo Log



*Description:*

--

# Photo Log



*Description:*

--

# Photo Log



*Description:*

--

# Photo Log



*Description:*

--

# Photo Log



*Description:*

--

# Summit Scientific

---

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

April 24, 2023

Paul Henchan

Fremont Environmental

PO Box 1289

Wellington, CO 80549

RE: Noble - Parker 29-34

Work Order #2304242

Enclosed are the results of analyses for samples received by Summit Scientific on 04/12/23 12:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Scott Sheely For Paul Shrewsbury

President



Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Parker 29-34

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
04/24/23 16:56

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FL01@4.0'	2304242-01	Soil	04/10/23 00:00	04/12/23 12:30
FL08@4.0'	2304242-02	Soil	04/10/23 00:00	04/12/23 12:30
FL09@5.0'	2304242-03	Soil	04/10/23 00:00	04/12/23 12:30
FL15@3.5'	2304242-04	Soil	04/10/23 00:00	04/12/23 12:30

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.*

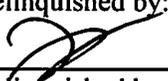
# SUMMIT SCIENTIFIC

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

Lab ID	Page 1 of 1
2304242	

Send Data To:		Send Invoice To:	
Client: Fremont Env	Project Manager: Paul Henehan	Company: Noble	
Address:	E-Mail: Paulh@fremontenv.com	Project Name/Location:	
City/State/Zip:	jeff@fremontenv.com Ethanb@fremontenv.com	AFE#:	
Phone:	Project Name: Parker 29-34	PO/Billing Codes:	
Sampler Name: J6	Project Number:	Contact:	

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix		Air-Canister #	Other	Analysis Requested						Special Instructions
					HCl	HNO3	None	Other	Water	Soil			BTEX + N	TMBS (915)	DRO,ORO,GRO	PAHS (915)	EC,PH,SAR, BARON	Metals (915)	
1	FLO8@4.0'	04/10/23		2			X			X		X	X	X	X	X			
2	<del>FLO8@4.0'</del>	04/10/23		2			X			X		X	X	X	X	X			
3	FLO9@5.0'	04/12/23		2			X			X		X	X	X	X	X			
4	FL15@3.5'	04/12/23		2			X			X		X	X	X	X	X			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			

Relinquished by: 	Date/Time: 4/12/23 1231	Received by: 	Date/Time: 4/12/23 12:30	TAT Business Days	Field DO	Notes:  Bill to Noble
Relinquished by:	Date/Time:	Received by:	Date/Time:	Same Day	Field EC	
				1 Day	Field ORP	
				2 Days	Field pH	
				3 Days	Field Temp.	
				Standard	X Field Turb.	
Temperature Upon Receipt: 20.6	Corrected Temperature	IR gun #: 2	HNO3 lot #:			

S<sub>2</sub>

Sample Receipt Checklist

S2 Work Order# 2304242

Client: Fremont Client Project ID: Parker 29-34

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) 20.6 Thermometer # Z

Table with 5 columns: Question, Yes, No, N/A, Comments (if any). Rows include: If samples require cooling, is the temperature < 6°C? (1) [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? [ ] [ ] [X]; Is a chain-of-custody (COC) form present and filled out Completely? (1) [X] [ ] [ ]; 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, H2SO4, NaOH, HNO3, 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.

[Signature] Custodian Printed Name

4/12/23 12:30 Date/Time



Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Parker 29-34

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
04/24/23 16:56

**FL01@4.0'**  
**2304242-01 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **04/10/23 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BGD0463	04/14/23	04/15/23	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: **04/10/23 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0411	103 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0373	93.2 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0396	99.1 %		50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **04/10/23 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BGD0465	04/14/23	04/16/23	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **04/10/23 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	14.4	115 %		30-150		"	"	"	"	

**PAH by EPA Method 8270D SIM**

Summit Scientific

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



Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Parker 29-34

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
04/24/23 16:56

**FL01@4.0'**  
**2304242-01 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **04/10/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BGD0444	04/14/23	04/14/23	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: **04/10/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0242	72.7 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0211	63.4 %	40-150		"	"	"	"	

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **04/10/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Boron</b>	<b>0.136</b>	0.0100	mg/L	1	BGD0450	04/14/23	04/22/23	EPA 6020B	

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

Date Sampled: **04/10/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Summit Scientific

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



Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Parker 29-34

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
04/24/23 16:56

**FL01@4.0'**  
**2304242-01 (Soil)**

**Summit Scientific**

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	27.3	0.0588	mg/L dry	1	BGD0578	04/18/23	04/22/23	EPA 6020B	
Magnesium	17.8	0.0588	"	"	"	"	"	"	
Sodium	57.9	0.0588	"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **04/10/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	2.12	0.00100	units	1	BGD0765	04/24/23	04/24/23	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **04/10/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	85.0		%	1	BGD0455	04/14/23	04/14/23	Calculation	

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

Date Sampled: **04/10/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.00		pH Units	1	BGD0616	04/19/23	04/19/23	EPA 9045D	

**Saturation Paste by the Western Region Soil, Plant and Water Reference Methods 2013**

Date Sampled: **04/10/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.452	0.0100	mmhos/cm	1	BGD0533	04/16/23	04/16/23	EPA 120.1	

Summit Scientific

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



Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Parker 29-34

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
04/24/23 16:56

**FL08@4.0'**  
**2304242-02 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **04/10/23 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BGD0463	04/14/23	04/15/23	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: **04/10/23 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0414	103 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0372	93.1 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0399	99.8 %		50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **04/10/23 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BGD0465	04/14/23	04/16/23	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **04/10/23 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	13.5	108 %		30-150		"	"	"	"	

**PAH by EPA Method 8270D SIM**

Summit Scientific

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



Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Parker 29-34

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
04/24/23 16:56

**FL08@4.0'**  
**2304242-02 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **04/10/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BGD0444	04/14/23	04/14/23	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: **04/10/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0250	74.9 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0213	63.8 %	40-150		"	"	"	"	

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **04/10/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Boron</b>	<b>0.274</b>	0.0100	mg/L	1	BGD0450	04/14/23	04/22/23	EPA 6020B	

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

Date Sampled: **04/10/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Summit Scientific

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



Fremont Environmental  
 PO Box 1289  
 Wellington CO, 80549

Project: Noble - Parker 29-34

Project Number: [none]  
 Project Manager: Paul Henchan

**Reported:**  
 04/24/23 16:56

**FL08@4.0'**  
**2304242-02 (Soil)**

**Summit Scientific**

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	46.6	0.0583	mg/L dry	1	BGD0578	04/18/23	04/22/23	EPA 6020B	
Magnesium	11.5	0.0583	"	"	"	"	"	"	
Sodium	94.4	0.0583	"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **04/10/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	3.21	0.00100	units	1	BGD0765	04/24/23	04/24/23	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **04/10/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	85.8		%	1	BGD0455	04/14/23	04/14/23	Calculation	

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

Date Sampled: **04/10/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.81		pH Units	1	BGD0616	04/19/23	04/19/23	EPA 9045D	

**Saturation Paste by the Western Region Soil, Plant and Water Reference Methods 2013**

Date Sampled: **04/10/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.580	0.0100	mmhos/cm	1	BGD0533	04/16/23	04/16/23	EPA 120.1	

Summit Scientific

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



Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Parker 29-34

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
04/24/23 16:56

**FL09@5.0'**  
**2304242-03 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **04/10/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BGD0463	04/14/23	04/15/23	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: **04/10/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0401	100 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0379	94.8 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0405	101 %	50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **04/10/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BGD0465	04/14/23	04/16/23	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/10/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	14.6	117 %	30-150		"	"	"	"	

**PAH by EPA Method 8270D SIM**

Summit Scientific

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



Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Parker 29-34

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
04/24/23 16:56

**FL09@5.0'**  
**2304242-03 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **04/10/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BGD0444	04/14/23	04/14/23	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: **04/10/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0182	54.7 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0151	45.4 %	40-150		"	"	"	"	

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **04/10/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Boron</b>	<b>0.306</b>	0.0100	mg/L	1	BGD0450	04/14/23	04/22/23	EPA 6020B	

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

Date Sampled: **04/10/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Summit Scientific

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



Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Parker 29-34

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
04/24/23 16:56

**FL09@5.0'**  
**2304242-03 (Soil)**

**Summit Scientific**

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	88.1	0.0589	mg/L dry	1	BGD0578	04/18/23	04/22/23	EPA 6020B	
Magnesium	35.8	0.0589	"	"	"	"	"	"	
Sodium	175	0.0589	"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **04/10/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	3.97	0.00100	units	1	BGD0765	04/24/23	04/24/23	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **04/10/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	84.8		%	1	BGD0455	04/14/23	04/14/23	Calculation	

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

Date Sampled: **04/10/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.82		pH Units	1	BGD0616	04/19/23	04/19/23	EPA 9045D	

**Saturation Paste by the Western Region Soil, Plant and Water Reference Methods 2013**

Date Sampled: **04/10/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.12	0.0100	mmhos/cm	1	BGD0533	04/16/23	04/16/23	EPA 120.1	

Summit Scientific

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



Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Parker 29-34

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
04/24/23 16:56

**FL15@3.5'**  
**2304242-04 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **04/10/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BGD0463	04/14/23	04/15/23	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: **04/10/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0404	101 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0377	94.2 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0394	98.5 %	50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **04/10/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BGD0465	04/14/23	04/16/23	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/10/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	13.3	107 %	30-150		"	"	"	"	

**PAH by EPA Method 8270D SIM**

Summit Scientific

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



Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Parker 29-34

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
04/24/23 16:56

**FL15@3.5'**  
**2304242-04 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **04/10/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BGD0444	04/14/23	04/14/23	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: **04/10/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0164	49.1 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0145	43.4 %	40-150		"	"	"	"	

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **04/10/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Boron</b>	<b>0.168</b>	0.0100	mg/L	1	BGD0450	04/14/23	04/22/23	EPA 6020B	

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

Date Sampled: **04/10/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Summit Scientific

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



Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Parker 29-34

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
04/24/23 16:56

**FL15@3.5'**  
**2304242-04 (Soil)**

**Summit Scientific**

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	35.2	0.0583	mg/L dry	1	BGD0578	04/18/23	04/22/23	EPA 6020B	
Magnesium	11.8	0.0583	"	"	"	"	"	"	
Sodium	44.7	0.0583	"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **04/10/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	1.66	0.00100	units	1	BGD0765	04/24/23	04/24/23	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **04/10/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	85.8		%	1	BGD0455	04/14/23	04/14/23	Calculation	

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

Date Sampled: **04/10/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.98		pH Units	1	BGD0616	04/19/23	04/19/23	EPA 9045D	

**Saturation Paste by the Western Region Soil, Plant and Water Reference Methods 2013**

Date Sampled: **04/10/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.324	0.0100	mmhos/cm	1	BGD0533	04/16/23	04/16/23	EPA 120.1	

Summit Scientific

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



Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Parker 29-34

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
04/24/23 16:56

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**

**Summit Scientific**

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

**Batch BGD0463 - EPA 5030 Soil MS**

**Blank (BGD0463-BLK1)**

Prepared & Analyzed: 04/14/23

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	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.0400		"	0.0400		100	50-150			
<i>Surrogate: Toluene-d8</i>	0.0367		"	0.0400		91.6	50-150			
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0378		"	0.0400		94.6	50-150			

**LCS (BGD0463-BS1)**

Prepared & Analyzed: 04/14/23

Benzene	0.111	0.0020	mg/kg	0.125		88.7	70-130			
Toluene	0.143	0.0050	"	0.125		114	70-130			
Ethylbenzene	0.146	0.0050	"	0.125		117	70-130			
m,p-Xylene	0.292	0.010	"	0.250		117	70-130			
o-Xylene	0.139	0.0050	"	0.125		111	70-130			
1,2,4-Trimethylbenzene	0.158	0.0050	"	0.125		126	70-130			
1,3,5-Trimethylbenzene	0.157	0.0050	"	0.125		125	70-130			
Naphthalene	0.154	0.0038	"	0.125		123	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.0413		"	0.0400		103	50-150			
<i>Surrogate: Toluene-d8</i>	0.0371		"	0.0400		92.8	50-150			
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0369		"	0.0400		92.2	50-150			

**Matrix Spike (BGD0463-MS1)**

Source: 2304218-01

Prepared & Analyzed: 04/14/23

Benzene	0.105	0.0020	mg/kg	0.125	ND	83.8	70-130			
Toluene	0.142	0.0050	"	0.125	ND	114	70-130			
Ethylbenzene	0.144	0.0050	"	0.125	ND	115	70-130			
m,p-Xylene	0.285	0.010	"	0.250	ND	114	70-130			
o-Xylene	0.137	0.0050	"	0.125	ND	110	70-130			
1,2,4-Trimethylbenzene	0.155	0.0050	"	0.125	ND	124	70-130			
1,3,5-Trimethylbenzene	0.152	0.0050	"	0.125	ND	122	70-130			
Naphthalene	0.153	0.0038	"	0.125	ND	123	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.0426		"	0.0400		107	50-150			
<i>Surrogate: Toluene-d8</i>	0.0377		"	0.0400		94.4	50-150			
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0369		"	0.0400		92.2	50-150			

Summit Scientific

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



Fremont Environmental  
 PO Box 1289  
 Wellington CO, 80549

Project: Noble - Parker 29-34

Project Number: [none]  
 Project Manager: Paul Henchan

**Reported:**  
 04/24/23 16:56

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**

**Summit Scientific**

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

**Batch BGD0463 - EPA 5030 Soil MS**

<b>Matrix Spike Dup (BGD0463-MSD1)</b>	<b>Source: 2304218-01</b>			<b>Prepared &amp; Analyzed: 04/14/23</b>						
Benzene	0.102	0.0020	mg/kg	0.125	ND	81.7	70-130	2.55	30	
Toluene	0.140	0.0050	"	0.125	ND	112	70-130	1.13	30	
Ethylbenzene	0.145	0.0050	"	0.125	ND	116	70-130	0.395	30	
m,p-Xylene	0.290	0.010	"	0.250	ND	116	70-130	1.99	30	
o-Xylene	0.138	0.0050	"	0.125	ND	110	70-130	0.895	30	
1,2,4-Trimethylbenzene	0.159	0.0050	"	0.125	ND	128	70-130	2.63	30	
1,3,5-Trimethylbenzene	0.155	0.0050	"	0.125	ND	124	70-130	1.56	30	
Naphthalene	0.154	0.0038	"	0.125	ND	123	70-130	0.398	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0416</i>		<i>"</i>	<i>0.0400</i>		<i>104</i>	<i>50-150</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0372</i>		<i>"</i>	<i>0.0400</i>		<i>93.0</i>	<i>50-150</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0366</i>		<i>"</i>	<i>0.0400</i>		<i>91.5</i>	<i>50-150</i>			

Summit Scientific

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



Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Parker 29-34

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
04/24/23 16:56

**Extractable Petroleum Hydrocarbons by 8015 - Quality Control**  
**Summit Scientific**

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

**Batch BGD0465 - EPA 3550A**

**Blank (BGD0465-BLK1)**

Prepared: 04/14/23 Analyzed: 04/15/23

C10-C28 (DRO)	ND	50	mg/kg								
C28-C36 (ORO)	ND	50	"								
Surrogate: <i>o</i> -Terphenyl	14.1		"	12.5		112	30-150				

**LCS (BGD0465-BS1)**

Prepared: 04/14/23 Analyzed: 04/15/23

C10-C28 (DRO)	394	50	mg/kg	500		78.9	70-130				
Surrogate: <i>o</i> -Terphenyl	10.6		"	12.5		84.8	30-150				

**Matrix Spike (BGD0465-MS1)**

Source: 2304218-01

Prepared: 04/14/23 Analyzed: 04/15/23

C10-C28 (DRO)	388	50	mg/kg	500	13.7	74.8	70-130				
Surrogate: <i>o</i> -Terphenyl	11.2		"	12.5		89.3	30-150				

**Matrix Spike Dup (BGD0465-MSD1)**

Source: 2304218-01

Prepared: 04/14/23 Analyzed: 04/15/23

C10-C28 (DRO)	395	50	mg/kg	500	13.7	76.2	70-130	1.82	20		
Surrogate: <i>o</i> -Terphenyl	12.7		"	12.5		102	30-150				

Summit Scientific

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



Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Parker 29-34

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
04/24/23 16:56

**PAH by EPA Method 8270D SIM - Quality Control**

**Summit Scientific**

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

**Batch BGD0444 - EPA 5030 Soil MS**

**Blank (BGD0444-BLK1)**

Prepared & Analyzed: 04/14/23

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	"							
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0298</i>		<i>"</i>	<i>0.0333</i>		<i>89.5</i>	<i>40-150</i>			
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0288</i>		<i>"</i>	<i>0.0333</i>		<i>86.5</i>	<i>40-150</i>			

**LCS (BGD0444-BS1)**

Prepared & Analyzed: 04/14/23

Acenaphthene	0.0303	0.00500	mg/kg	0.0333	90.9	31-137
Anthracene	0.0314	0.00500	"	0.0333	94.3	30-120
Benzo (a) anthracene	0.0239	0.00500	"	0.0333	71.6	30-120
Benzo (a) pyrene	0.0230	0.00500	"	0.0333	69.0	30-120
Benzo (b) fluoranthene	0.0243	0.00500	"	0.0333	72.8	30-120
Benzo (k) fluoranthene	0.0229	0.00500	"	0.0333	68.6	30-120
Chrysene	0.0198	0.00500	"	0.0333	59.4	30-120
Dibenz (a,h) anthracene	0.0263	0.00500	"	0.0333	78.9	30-120
Fluoranthene	0.0298	0.00500	"	0.0333	89.4	30-120
Fluorene	0.0301	0.00500	"	0.0333	90.3	30-120
Indeno (1,2,3-cd) pyrene	0.0238	0.00500	"	0.0333	71.4	30-120
Pyrene	0.0252	0.00500	"	0.0333	75.6	35-142
1-Methylnaphthalene	0.0310	0.00500	"	0.0333	93.1	35-142
2-Methylnaphthalene	0.0304	0.00500	"	0.0333	91.3	35-142
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0328</i>		<i>"</i>	<i>0.0333</i>	<i>98.3</i>	<i>40-150</i>
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0314</i>		<i>"</i>	<i>0.0333</i>	<i>94.1</i>	<i>40-150</i>

Summit Scientific

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



Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Parker 29-34

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
04/24/23 16:56

**PAH by EPA Method 8270D SIM - Quality Control**

**Summit Scientific**

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

**Batch BGD0444 - EPA 5030 Soil MS**

<b>Matrix Spike (BGD0444-MS1)</b>	<b>Source: 2304242-01</b>			<b>Prepared &amp; Analyzed: 04/14/23</b>								
Acenaphthene	0.0165	0.00500	mg/kg	0.0333	ND	49.4	31-137					
Anthracene	0.0176	0.00500	"	0.0333	ND	52.9	30-120					
Benzo (a) anthracene	0.0147	0.00500	"	0.0333	ND	44.1	30-120					
Benzo (a) pyrene	0.0142	0.00500	"	0.0333	ND	42.7	30-120					
Benzo (b) fluoranthene	0.0161	0.00500	"	0.0333	ND	48.4	30-120					
Benzo (k) fluoranthene	0.0148	0.00500	"	0.0333	ND	44.4	30-120					
Chrysene	0.0148	0.00500	"	0.0333	ND	44.3	30-120					
Dibenz (a,h) anthracene	0.0145	0.00500	"	0.0333	ND	43.6	30-120					
Fluoranthene	0.0171	0.00500	"	0.0333	ND	51.3	30-120					
Fluorene	0.0168	0.00500	"	0.0333	ND	50.5	30-120					
Indeno (1,2,3-cd) pyrene	0.0137	0.00500	"	0.0333	ND	41.1	30-120					
Pyrene	0.0148	0.00500	"	0.0333	ND	44.3	35-142					
1-Methylnaphthalene	0.0221	0.00500	"	0.0333	ND	66.3	15-130					
2-Methylnaphthalene	0.0168	0.00500	"	0.0333	ND	50.5	15-130					
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0199</i>		<i>"</i>	<i>0.0333</i>		<i>59.6</i>	<i>40-150</i>					
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0173</i>		<i>"</i>	<i>0.0333</i>		<i>52.0</i>	<i>40-150</i>					

<b>Matrix Spike Dup (BGD0444-MSD1)</b>	<b>Source: 2304242-01</b>			<b>Prepared &amp; Analyzed: 04/14/23</b>								
Acenaphthene	0.0196	0.00500	mg/kg	0.0333	ND	58.9	31-137	17.5	30			
Anthracene	0.0204	0.00500	"	0.0333	ND	61.1	30-120	14.4	30			
Benzo (a) anthracene	0.0149	0.00500	"	0.0333	ND	44.6	30-120	1.19	30			
Benzo (a) pyrene	0.0151	0.00500	"	0.0333	ND	45.3	30-120	5.91	30			
Benzo (b) fluoranthene	0.0154	0.00500	"	0.0333	ND	46.2	30-120	4.58	30			
Benzo (k) fluoranthene	0.0149	0.00500	"	0.0333	ND	44.8	30-120	0.948	30			
Chrysene	0.0153	0.00500	"	0.0333	ND	45.9	30-120	3.45	30			
Dibenz (a,h) anthracene	0.0142	0.00500	"	0.0333	ND	42.5	30-120	2.61	30			
Fluoranthene	0.0190	0.00500	"	0.0333	ND	57.0	30-120	10.5	30			
Fluorene	0.0197	0.00500	"	0.0333	ND	59.2	30-120	15.9	30			
Indeno (1,2,3-cd) pyrene	0.0155	0.00500	"	0.0333	ND	46.5	30-120	12.4	30			
Pyrene	0.0164	0.00500	"	0.0333	ND	49.3	35-142	10.7	30			
1-Methylnaphthalene	0.0255	0.00500	"	0.0333	ND	76.5	15-130	14.3	50			
2-Methylnaphthalene	0.0182	0.00500	"	0.0333	ND	54.7	15-130	7.91	50			
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0239</i>		<i>"</i>	<i>0.0333</i>		<i>71.6</i>	<i>40-150</i>					
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0203</i>		<i>"</i>	<i>0.0333</i>		<i>60.8</i>	<i>40-150</i>					

Summit Scientific

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



Fremont Environmental  
 PO Box 1289  
 Wellington CO, 80549

Project: Noble - Parker 29-34

Project Number: [none]  
 Project Manager: Paul Henchan

**Reported:**  
 04/24/23 16:56

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

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

**Batch BGD0450 - EPA 3050B**

**Blank (BGD0450-BLK1)**

Prepared: 04/14/23 Analyzed: 04/21/23

Boron ND 0.0100 mg/L

**LCS (BGD0450-BS1)**

Prepared: 04/14/23 Analyzed: 04/21/23

Boron 5.26 0.0100 mg/L 5.00 105 80-120

**Duplicate (BGD0450-DUP1)**

Source: 2304218-07

Prepared: 04/14/23 Analyzed: 04/21/23

Boron 0.0852 0.0100 mg/L 0.0891 4.54 20

**Matrix Spike (BGD0450-MS1)**

Source: 2304218-07

Prepared: 04/14/23 Analyzed: 04/21/23

Boron 5.32 0.0100 mg/L 5.00 0.0891 105 75-125

**Matrix Spike Dup (BGD0450-MSD1)**

Source: 2304218-07

Prepared: 04/14/23 Analyzed: 04/21/23

Boron 5.33 0.0100 mg/L 5.00 0.0891 105 75-125 0.234 25

Summit Scientific

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





Fremont Environmental  
 PO Box 1289  
 Wellington CO, 80549

Project: Noble - Parker 29-34

Project Number: [none]  
 Project Manager: Paul Henchan

**Reported:**  
 04/24/23 16:56

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

**Summit Scientific**

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

**Batch BGD0578 - General Preparation**

**Blank (BGD0578-BLK1)**

Prepared: 04/18/23 Analyzed: 04/22/23

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

**LCS (BGD0578-BS1)**

Prepared: 04/18/23 Analyzed: 04/22/23

Calcium	5.31	0.0500	mg/L wet	5.00		106	70-130			
Magnesium	4.75	0.0500	"	5.00		95.0	70-130			
Sodium	4.87	0.0500	"	5.00		97.4	70-130			

Summit Scientific

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



Fremont Environmental  
 PO Box 1289  
 Wellington CO, 80549

Project: Noble - Parker 29-34

Project Number: [none]  
 Project Manager: Paul Henchan

**Reported:**  
 04/24/23 16:56

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

**Summit Scientific**

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

**Batch BGD0455 - General Preparation**

**Duplicate (BGD0455-DUP1)**

**Source: 2304240-01**

Prepared & Analyzed: 04/14/23

% Solids	83.7		%		83.2			0.543	20	
----------	------	--	---	--	------	--	--	-------	----	--

Summit Scientific

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



Fremont Environmental  
 PO Box 1289  
 Wellington CO, 80549

Project: Noble - Parker 29-34

Project Number: [none]  
 Project Manager: Paul Henchan

**Reported:**  
 04/24/23 16:56

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

**Summit Scientific**

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

**Batch BGD0616 - General Preparation**

**LCS (BGD0616-BS1)**

Prepared & Analyzed: 04/19/23

pH 9.11 pH Units 95-105

**Duplicate (BGD0616-DUP1)**

Source: 2304240-01

Prepared & Analyzed: 04/19/23

pH 7.81 pH Units 7.81 0.00 20

Summit Scientific

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



Fremont Environmental  
 PO Box 1289  
 Wellington CO, 80549

Project: Noble - Parker 29-34

Project Number: [none]  
 Project Manager: Paul Henchan

**Reported:**  
 04/24/23 16:56

**Saturation Paste by the Western Region Soil, Plant and Water Reference Methods 2013 - Quality Control**  
**Summit Scientific**

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

**Batch BGD0533 - General Preparation**

**Blank (BGD0533-BLK1)**

Prepared & Analyzed: 04/16/23

Specific Conductance (EC)      ND      0.0100    mmhos/cm

**LCS (BGD0533-BS1)**

Prepared & Analyzed: 04/16/23

Specific Conductance (EC)      0.149      0.0100    mmhos/cm      0.150      99.2      95-105

**Duplicate (BGD0533-DUP1)**

**Source: 2304242-01**

Prepared & Analyzed: 04/16/23

Specific Conductance (EC)      0.458      0.0100    mmhos/cm      0.452      1.30      20

Summit Scientific

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





Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Parker 29-34

Project Number: [none]  
Project Manager: Paul Henchan

**Reported:**  
04/24/23 16:56

### Notes and Definitions

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