

FREMONT ENVIRONMENTAL INC.

January 9, 2023

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

Subject: **Groundwater Data Submittal**
Webster 15-28
API # 05-123-12690
SWSE Sec. 28, T6N, R64W
Weld County, Colorado
Fremont Project No. C022-026
Facility #481614, Remediation #20954

Dear Mr. Peterson:

Enclosed please find a copy of the above referenced Groundwater Data Submittal for the Webster 15-28 site in Weld County, Colorado. The enclosed data describes the groundwater quality at the site during the recent quarterly sampling and monitoring event.

Please contact me at (303) 956-8714 if you require any additional information.

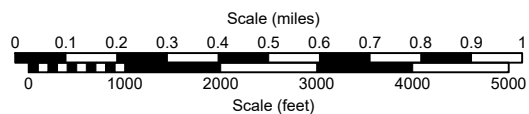
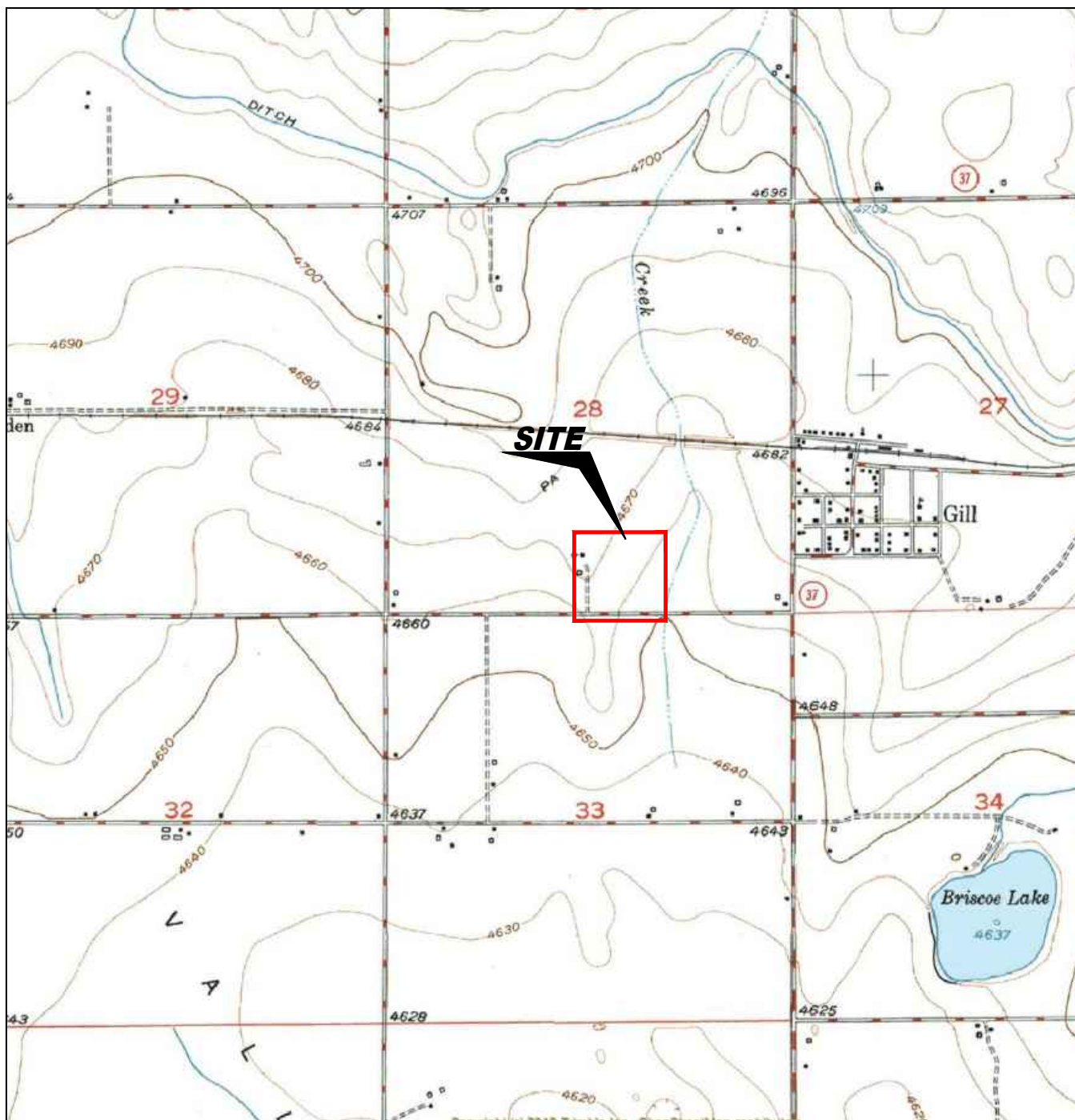
Fremont appreciates the opportunity to provide this service.

Sincerely,
FREMONT ENVIRONMENTAL INC.



Paul V. Henehan, P.E.
Senior Consultant

Enclosure



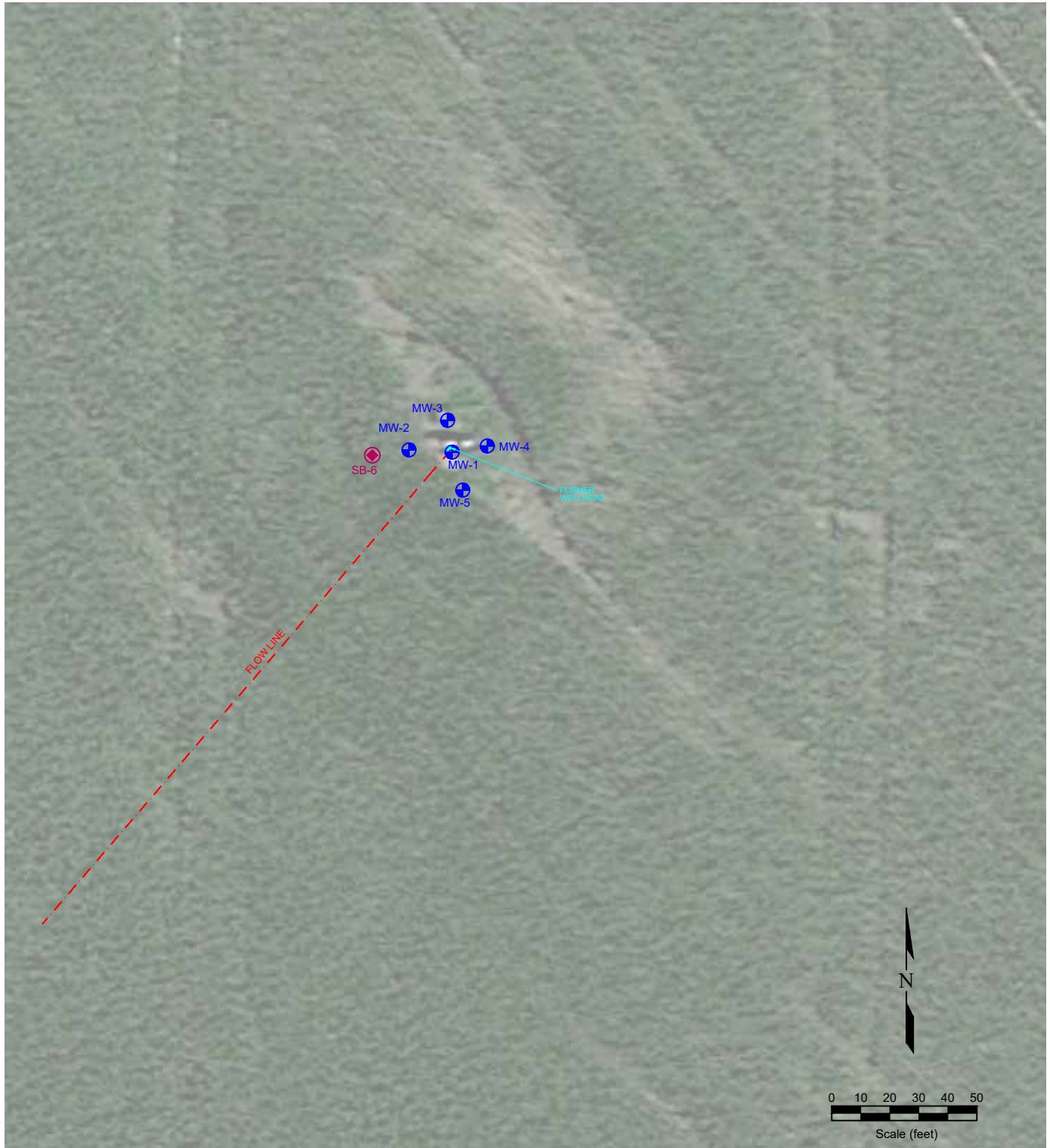
USGS 7.5 MINUTE SERIES (TOPOGRAPHIC)

Figure 1
SITE LOCATION MAP

Noble Energy, Inc. ~ Webster 15-28
SWSE Sec. 28, T6N, R64W, 6th PM
Weld County, Colorado
40.451617°, -104.553572°

Project # C022-026	API # 05-123-12690	Facility # 481614
Date 12/26/2022	Remediation # 20954	Filename 22026T





LEGEND

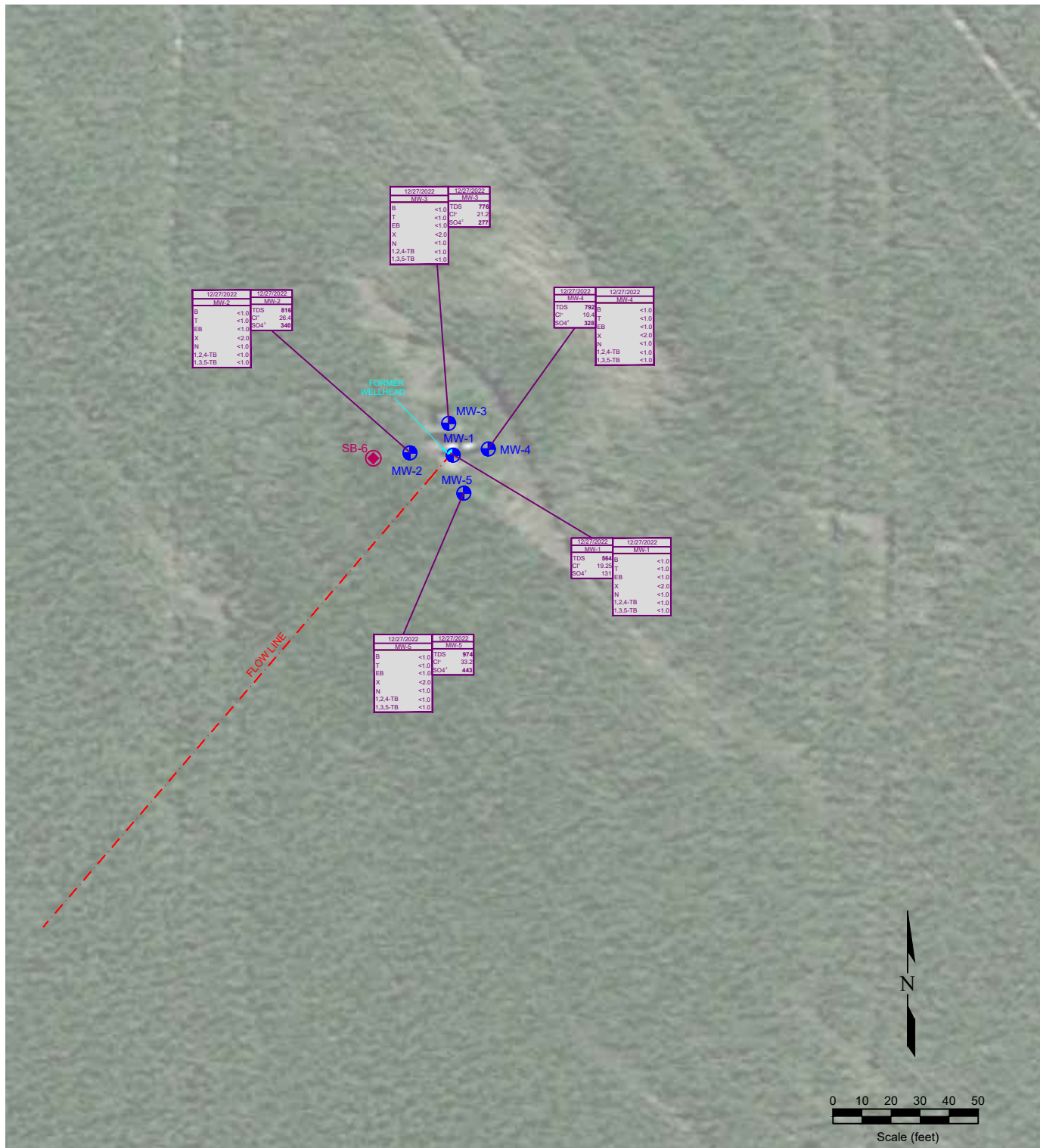
● WELL HEAD LOCATION
 ● SOIL BORING LOCATION
 + MONITORING WELL
 FORMER FACILITY
 - - - FLOW LINE

Figure 2
SITE MAP

Noble Energy, Inc. ~ Webster 15-28
 SWSE Sec. 28, T6N, R64W, 6th PM
 Weld County, Colorado
 40.451617°, -104.553572°

Project No. C022-026	API # 05-123-12690	Facility # 481614
Date 12/27/2022	Remediation # 20954	Filename 22026QQ



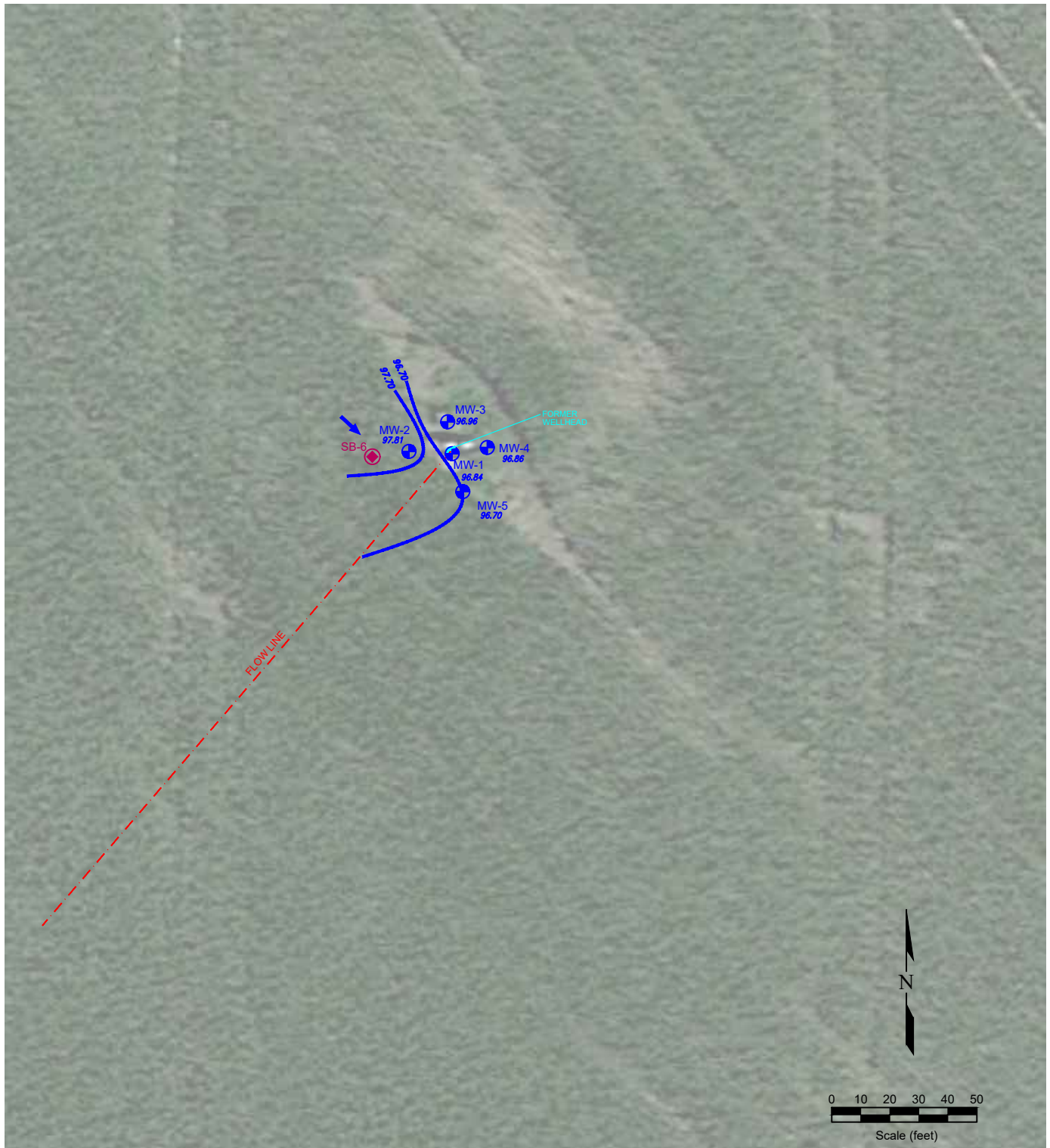


07/25/2022	DATE SAMPLED
MW-1	SAMPLE ID
B	<1.0
T	<1.0
EB	<1.0
X	<2.0
N	<1.0
1,2,4-TB	<1.0
1,3,5-TB	<1.0

07/25/2022	DATE SAMPLED
MW-1	SAMPLE ID
TDS	583
Cl ⁻	17.6
SO ₄ ²⁻	186

Figure 4
GROUNDWATER CHEMISTRY MAP
October 19, 2022
Noble Energy, Inc. ~ Webster 15-28
 SWSE Sec. 28, T6N, R64W, 6th PM
 Weld County, Colorado
 40.451617°, -104.553572°

Project No. C022-026	API # 05-123-12690	Facility # 481614	REMONT ENVIRONMENTAL
Date 12/27/2022	Remediation # 20954	Filename 22026QQ	



LEGEND

- WELL HEAD LOCATION
- MONITORING WELL
- FORMER FACILITY
- FLOW LINE
- 95.00
- 95.25
- 96.00
- 96.25
- 96.50
- 96.75
- 97.00
- 97.25
- GROUND WATER ELEVATION (ft above arbitrary datum)
- WATER TABLE CONTOUR
- GROUND WATER FLOW DIRECTION

Figure 3

INFERRED GROUNDWATER CONTOURS MAP

October 19, 2022

Noble Energy, Inc. ~ Webster 15-28

SWSE Sec. 28, T6N, R64W, 6th PM

Weld County, Colorado

40.451617°, -104.553572°


Project No. C022-026	API # 05-123-12690	Facility # 481614	
Date 12/27/2022	Remediation # 20954	Filename 22026QQ	

TABLE 1
SUMMARY OF ORGANIC GROUNDWATER CHEMISTRY DATA
NOBLE ENERGY INC.
WEBSTER 15-28, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C022-026

Sample ID	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Xylenes (µg/L)	Naphthalene (µg/L)	1,2,4- Trimethyl- Benzene (µg/L)	1,3,5- Trimethyl- Benzene (µg/L)	TOC Elevation (ft)	Depth to Groundwater (ft)	Groundwater Elevation (ft)	LNAPL Thickness (ft)
COGCC Table 915-1 Limits		5.0	560	700	1400	140	67	67				
MW-1	4/15/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	100	4.35	95.65	NP
	7/25/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		2.91	97.09	NP
	10/19/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		3.16	96.84	NP
MW-2	4/15/2022	12	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	101.26	4.69	96.57	NP
	7/25/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		3.28	97.98	NP
	10/19/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		3.45	97.81	NP
MW-3	4/15/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	100.61	4.87	95.74	NP
	7/25/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		3.41	97.20	NP
	10/19/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		3.65	96.96	NP
MW-4	4/15/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	100.19	4.49	95.70	NP
	7/25/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		3.09	97.10	NP
	10/19/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		3.33	96.86	NP
MW-5	4/15/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	100.45	4.92	95.53	NP
	7/25/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		3.53	96.92	NP
	10/19/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		3.75	96.70	NP

Bold face values exceed the COGCC limits

Red highlighted 915-1 Limits indicate the referenced groundwater screening level

NP - No measureable LNAPL

NA - Not Analyzed

TABLE 2
SUMMARY OF INORGANIC GROUNDWATER CHEMISTRY DATA
NOBLE ENERGY INC.
WEBSTER 15-28, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C022-026

Sample ID	Sample Date	Total Dissolved Solids (mg/L)	Chloride Ion (mg/L)	Sulfate Ion (mg/L)
COGCC Table 915-1 Limits		<1.25 x local background	250 or <1.25 x local background	250 or <1.25 x local background
MW-1	4/15/2022	1050	32.6	368
	7/25/2022	563	17.6	166
	10/19/2022	564	19.25	131
MW-2	4/15/2022	900	34.6	370
	7/25/2022	904	25.4	373
	10/19/2022	816	26.4	340
MW-3	4/15/2022	998	47	430
	7/25/2022	939	28.6	378
	10/19/2022	776	21.2	277
MW-4	4/15/2022	1020	38.2	436
	7/25/2022	1060	35.4	480
	10/19/2022	792	10.4	328
MW-5	4/15/2022	1130	53.2	493
	7/25/2022	1210	51.8	568
	10/19/2022	974	33.2	443

Bold face values exceed the COGCC limits

Yellow highlighted 915-1 Limits indicate the referenced groundwater screening level

DES - Destroyed

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

October 25, 2022

Paul Henehan
Fremont Environmental
PO Box 1289
Wellington, CO 80549
RE: Noble - Webster 15-28
Work Order #2210333

Enclosed are the results of analyses for samples received by Summit Scientific on 10/19/22 16:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Mikayla Axtell For Paul Shrewsbury
President



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Webster 15-28

Project Number: [none]
Project Manager: Paul Henchan

Reported:
10/25/22 13:20

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	2210333-01	Water	10/19/22 00:00	10/19/22 16:30
MW-2	2210333-02	Water	10/19/22 00:00	10/19/22 16:30
MW-3	2210333-03	Water	10/19/22 00:00	10/19/22 16:30
MW-4	2210333-04	Water	10/19/22 00:00	10/19/22 16:30
MW-5	2210333-05	Water	10/19/22 00:00	10/19/22 16:30

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

2210333

S₂

4653 Table Mountain Drive ♦ Golden, Colorado 80403

303-277-9310 ♦ 303-374-5933 (f)

Page 1 of 1

Client: Fremont Environmental

Project Manager: Paul Henehan

Address:

E-Mail: Fremont Distribution List: PaulH, EthanB, JeffG and ChrisL. @fremontenv.com

City/State/Zip:

Bill to: Noble

Phone:

Project Name: Webster 15-18

Sampler Name: Chris Latter

Project Number:

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix				Analysis Requested							Special Instructions
					HCl	HNO ₃	None	Other	Water	Soil	Air-Canister #	Other	BTEX, TMBs, Naph.	TPH	PAH (915)	EC, SAR, pH, Boron	Metals (915)	TDS, Chloride, Sulfate	HOLD	
1	MW-1	10/19/22		24			X		X				X					X		
2	MW-2			24			X		X				X					X		
3	MW-3			24			X		X				X					X		
4	MW-4			24			X		X				X					X		
5	MW-5	10/19/22		24			X		X				X					X		
6																				
7																				
8																				
9																				
10																				

Relinquished by: Chris Latter	Date/Time: 10/19/22 14:00	Received by: SZ	Date/Time: 10/19/22 1400	Turn Around Time (Check) Same Day <input type="checkbox"/> 72 hours 24 hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/> 48 hours <input type="checkbox"/>	Notes:
Relinquished by: SZ	Date/Time: 10/19/22 1030	Received by: [Signature]	Date/Time: 10/19/22 1030	Sample Integrity: Temperature Upon Receipt: 78	
Relinquished by:	Date/Time:	Received by:	Date/Time:	Samples Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

S₂

Sample Receipt Checklist

S2 Work Order# 2210333Client: Fremont Client Project ID: Webster 15-28Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other ☐ Airbill #: _____

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

Matrix (Check all that apply) Air ☐ Soil/Solid ☐ Water ☐ Other ☐Temp (°C) 7.3 Thermometer # 1

	Yes	No	N/A	Comments (if any)
If samples require cooling, is the temperature < 6°C? ⁽¹⁾ NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	an ice
If custody seals are present, are they intact? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are samples due within 48 hours present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are water samples with short hold times present? Note the short hold analysis in the comments column - pH, Nitrate/Nitrite, Ferrous Iron (Fe ²⁺), Hexavalent Chromium (Cr ⁶⁺ , Cr VI), COD/BOD, Total Coliform, E. Coli, Total Residual Chlorine (TRC), Dissolved Oxygen	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out Completely? ⁽¹⁾	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling)? ⁽¹⁾ Note the type of preservative in the comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2? ⁽¹⁾ Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Additional Comments (if any):

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

 Custodian Printed Name

10-19-22
 Date/Time



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Webster 15-28

Project Number: [none]
Project Manager: Paul Henehan

Reported:
10/25/22 13:20

MW-1
2210333-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **10/19/22 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	ND	1.0	ug/l	1	BFJ0604	10/21/22	10/23/22	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	

Date Sampled: **10/19/22 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4		99.8 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		108 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		100 %	21-167		"	"	"	"	

Anions by EPA Method 300.0

Date Sampled: **10/19/22 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chloride	19.2	12.0	mg/L	200	BFJ0580	10/21/22	10/24/22	EPA 300.0	
Sulfate	131	60.0	"	"	"	"	"	"	

Total Dissolved Solids by SM2540C

Date Sampled: **10/19/22 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Total Dissolved Solids	564	10.0	mg/L	1	BFJ0509	10/20/22	10/21/22	SM2540C	

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 - Webster 15-28

Project Number: [none]
Project Manager: Paul Henchan

Reported:
10/25/22 13:20

MW-2
2210333-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **10/19/22 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BFJ0604	10/21/22	10/23/22	EPA 8260B	
Toluene	ND	1.0		"	"	"	"	"	"	
Ethylbenzene	ND	1.0		"	"	"	"	"	"	
Xylenes (total)	ND	2.0		"	"	"	"	"	"	
Naphthalene	ND	1.0		"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0		"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0		"	"	"	"	"	"	

Date Sampled: **10/19/22 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		100 %		23-173		"	"	"	"	
Surrogate: Toluene-d8		110 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		100 %		21-167		"	"	"	"	

Anions by EPA Method 300.0

Date Sampled: **10/19/22 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Chloride	26.4	12.0		mg/L	200	BFJ0580	10/21/22	10/24/22	EPA 300.0	
Sulfate	340	60.0		"	"	"	"	"	"	

Total Dissolved Solids by SM2540C

Date Sampled: **10/19/22 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Total Dissolved Solids	816	10.0		mg/L	1	BFJ0509	10/20/22	10/21/22	SM2540C	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Webster 15-28

Project Number: [none]
Project Manager: Paul Henchan

Reported:
10/25/22 13:20

MW-3
2210333-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **10/19/22 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	BFJ0604	10/21/22	10/23/22	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	

Date Sampled: **10/19/22 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		100 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		109 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		100 %	21-167		"	"	"	"	

Anions by EPA Method 300.0

Date Sampled: **10/19/22 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Chloride	21.2	12.0	mg/L	200	BFJ0580	10/21/22	10/25/22	EPA 300.0	
Sulfate	277	60.0	"	"	"	"	"	"	

Total Dissolved Solids by SM2540C

Date Sampled: **10/19/22 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Total Dissolved Solids	776	10.0	mg/L	1	BFJ0509	10/20/22	10/21/22	SM2540C	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Webster 15-28

Project Number: [none]
Project Manager: Paul Henchan

Reported:
10/25/22 13:20

MW-4
2210333-04 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **10/19/22 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	BFJ0604	10/21/22	10/23/22	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	

Date Sampled: **10/19/22 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		100 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		109 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		100 %	21-167		"	"	"	"	

Anions by EPA Method 300.0

Date Sampled: **10/19/22 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Chloride	10.4	1.20	mg/L	20	BFJ0580	10/21/22	10/25/22	EPA 300.0	
Sulfate	328	60.0	"	200	"	"	"	"	

Total Dissolved Solids by SM2540C

Date Sampled: **10/19/22 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Total Dissolved Solids	792	10.0	mg/L	1	BFJ0509	10/20/22	10/21/22	SM2540C	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Webster 15-28

Project Number: [none]
Project Manager: Paul Henchan

Reported:
10/25/22 13:20

MW-5
2210333-05 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **10/19/22 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	BFJ0604	10/21/22	10/23/22	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	

Date Sampled: **10/19/22 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		100 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		106 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		100 %	21-167		"	"	"	"	

Anions by EPA Method 300.0

Date Sampled: **10/19/22 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Chloride	33.2	12.0	mg/L	200	BFJ0580	10/21/22	10/25/22	EPA 300.0	
Sulfate	443	60.0	"	"	"	"	"	"	

Total Dissolved Solids by SM2540C

Date Sampled: **10/19/22 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Total Dissolved Solids	974	10.0	mg/L	1	BFJ0509	10/20/22	10/21/22	SM2540C	

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Webster 15-28

Project Number: [none]
Project Manager: Paul Henchan

Reported:
10/25/22 13:20

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BFJ0604 - EPA 5030 Water MS

Blank (BFJ0604-BLK1)

Prepared: 10/21/22 Analyzed: 10/23/22

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	2.0	"							
Naphthalene	ND	1.0	"							
1,2,4-Trimethylbenzene	ND	1.0	"							
1,3,5-Trimethylbenzene	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	13.4		"	13.3		101	23-173			
Surrogate: Toluene-d8	13.7		"	13.3		103	20-170			
Surrogate: 4-Bromofluorobenzene	13.3		"	13.3		100	21-167			

LCS (BFJ0604-BS1)

Prepared: 10/21/22 Analyzed: 10/23/22

Benzene	36.5	1.0	ug/l	41.7		87.6	51-132			
Toluene	36.8	1.0	"	41.7		88.4	51-138			
Ethylbenzene	54.5	1.0	"	41.7		131	58-146			
m,p-Xylene	118	2.0	"	83.3		142	57-144			
o-Xylene	48.9	1.0	"	41.7		117	53-146			
Naphthalene	37.4	1.0	"	41.7		89.7	70-130			
1,2,4-Trimethylbenzene	39.7	1.0	"	41.7		95.4	70-130			
1,3,5-Trimethylbenzene	49.3	1.0	"	41.7		118	70-130			
Surrogate: 1,2-Dichloroethane-d4	13.5		"	13.3		101	23-173			
Surrogate: Toluene-d8	13.8		"	13.3		103	20-170			
Surrogate: 4-Bromofluorobenzene	13.5		"	13.3		101	21-167			

Matrix Spike (BFJ0604-MS1)

Source: 2210333-01

Prepared: 10/21/22 Analyzed: 10/23/22

Benzene	37.6	1.0	ug/l	41.7	ND	90.2	34-141			
Toluene	36.5	1.0	"	41.7	ND	87.6	27-151			
Ethylbenzene	45.4	1.0	"	41.7	ND	109	29-160			
m,p-Xylene	93.5	2.0	"	83.3	ND	112	20-166			
o-Xylene	41.9	1.0	"	41.7	ND	100	33-159			
Naphthalene	30.1	1.0	"	41.7	ND	72.3	70-130			
1,2,4-Trimethylbenzene	45.1	1.0	"	41.7	ND	108	70-130			
1,3,5-Trimethylbenzene	47.3	1.0	"	41.7	ND	114	70-130			
Surrogate: 1,2-Dichloroethane-d4	13.4		"	13.3		101	23-173			
Surrogate: Toluene-d8	13.9		"	13.3		104	20-170			
Surrogate: 4-Bromofluorobenzene	13.3		"	13.3		99.8	21-167			

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Project Manager: Paul Henchan

Reported:
10/25/22 13:20

Volatile Organic Compounds by EPA Method 8260B - Quality Control

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

Batch BfJ0604 - EPA 5030 Water MS

Matrix Spike Dup (BFJ0604-MSD1)	Source: 2210333-01			Prepared: 10/21/22 Analyzed: 10/23/22						
Benzene	34.9	1.0	ug/l	41.7	ND	83.7	34-141	7.45	30	
Toluene	32.8	1.0	"	41.7	ND	78.6	27-151	10.8	30	
Ethylbenzene	46.2	1.0	"	41.7	ND	111	29-160	1.86	30	
m,p-Xylene	95.9	2.0	"	83.3	ND	115	20-166	2.56	30	
o-Xylene	42.4	1.0	"	41.7	ND	102	33-159	1.31	30	
Naphthalene	35.5	1.0	"	41.7	ND	85.3	70-130	16.4	30	
1,2,4-Trimethylbenzene	46.4	1.0	"	41.7	ND	111	70-130	2.86	30	
1,3,5-Trimethylbenzene	48.9	1.0	"	41.7	ND	117	70-130	3.28	30	
Surrogate: 1,2-Dichloroethane-d4	13.4		"	13.3		100	23-173			
Surrogate: Toluene-d8	14.2		"	13.3		107	20-170			
Surrogate: 4-Bromofluorobenzene	13.3		"	13.3		99.9	21-167			

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PO Box 1289
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Project: Noble - Webster 15-28

Project Number: [none]
Project Manager: Paul Henchan

Reported:
10/25/22 13:20

Anions by EPA Method 300.0 - Quality Control

Summit Scientific

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

Batch BFJ0580 - General Preparation

Blank (BFJ0580-BLK1)

Prepared: 10/21/22 Analyzed: 10/24/22

Chloride	ND	0.0600	mg/L
Sulfate	ND	0.300	"

LCS (BFJ0580-BS1)

Prepared: 10/21/22 Analyzed: 10/24/22

Chloride	3.25	0.0600	mg/L	3.00	108	90-110
Sulfate	15.8	0.300	"	15.0	105	90-110

Duplicate (BFJ0580-DUP1)

Source: 2210309-01

Prepared: 10/21/22 Analyzed: 10/24/22

Chloride	78.6	12.0	mg/L	82.0	4.23	20
Sulfate	679	60.0	"	790	15.1	20

Matrix Spike (BFJ0580-MS1)

Source: 2210309-01

Prepared: 10/21/22 Analyzed: 10/24/22

Chloride	628	12.0	mg/L	600	82.0	91.0	80-120
Sulfate	3460	60.0	"	3000	790	89.1	80-120

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PO Box 1289
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Project: Noble - Webster 15-28

Project Number: [none]
Project Manager: Paul Henchan

Reported:
10/25/22 13:20

Total Dissolved Solids by SM2540C - Quality Control
Summit Scientific

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

Batch BFJ0509 - General Preparation

Blank (BFJ0509-BLK1)

Prepared: 10/20/22 Analyzed: 10/21/22

Total Dissolved Solids ND 10.0 mg/L

Duplicate (BFJ0509-DUP1)

Source: 2210309-01

Prepared: 10/20/22 Analyzed: 10/21/22

Total Dissolved Solids 1320 10.0 mg/L 1320 0.228 20

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Webster 15-28

Project Number: [none]
Project Manager: Paul Henchan

Reported:
10/25/22 13:20

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