

FREMONT ENVIRONMENTAL INC.

December 9, 2021

Mr. Jacob Evans
Noble Energy Inc.
2115 117th Avenue
Greeley, CO 80634

Subject: **Groundwater Data Submittal**
 McDermid 2-1
 API # 05-123-12223
 NWNE Sec 1, T4N, R64W
 Weld County, Colorado
 Fremont Project No. C020-022
 Facility #322891, Remediation #15399

Dear Mr. Evans:

Enclosed please find a copy of the above referenced Groundwater Data Submittal for the McDermid 2-1 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. Henahan, P.E.
Senior Consultant

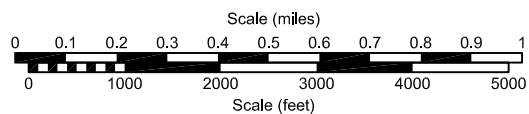
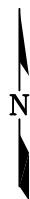
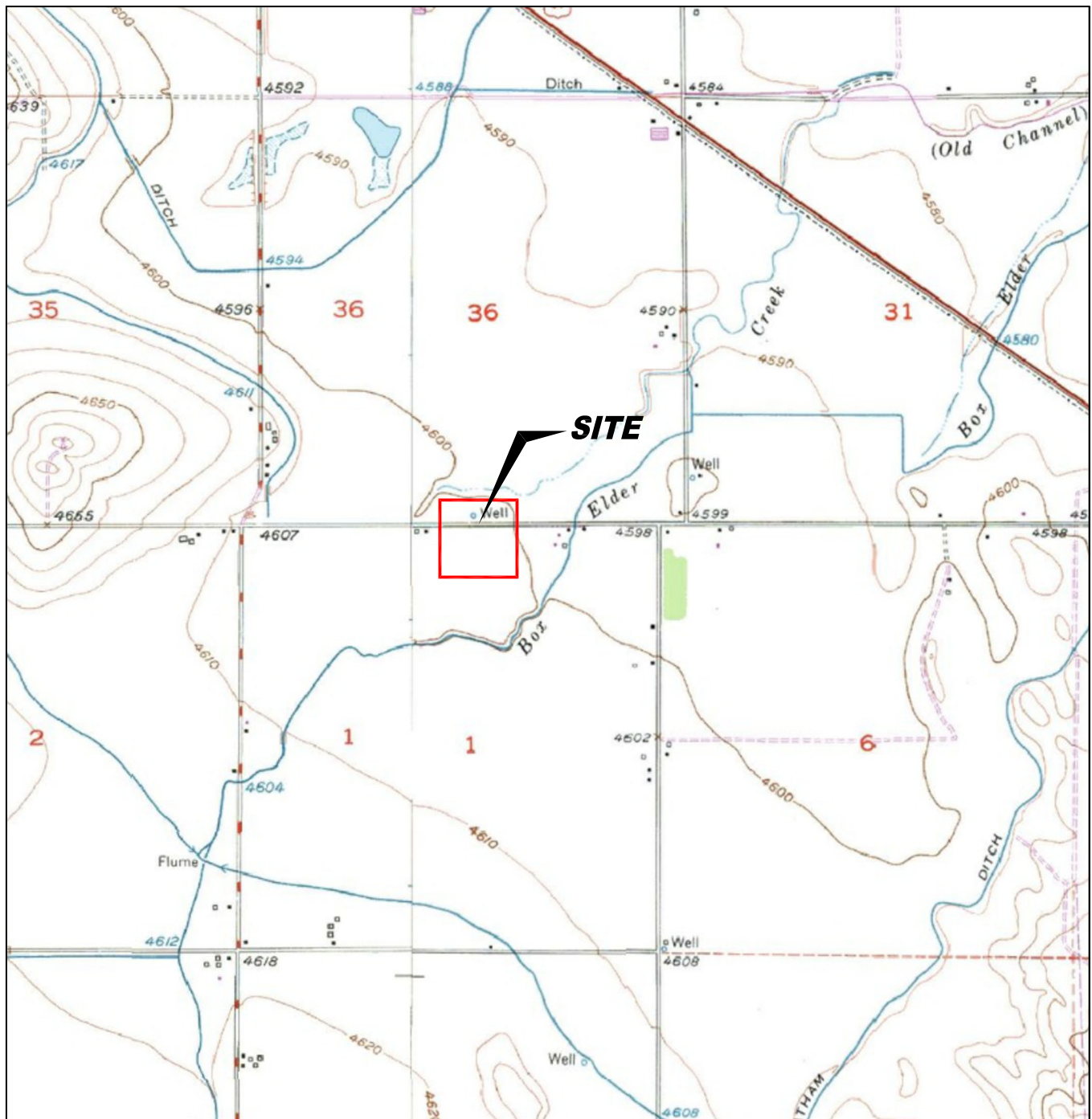
Enclosure

TABLE 1
SUMMARY OF GROUNDWATER CHEMISTRY DATA
NOBLE ENERGY INC.
McDERMED 2-1, WELD COUNTY, COLORADO
FREMONT PROJECT C020-022

SAMPLE LOCATION	DATE	BENZENE (µg/L)	TOLUENE (µg/L)	ETHYL BENZENE (µg/L)	TOTAL XYLENES (µg/L)	NAPHTHALENE (µg/L)	1,2,4 TRIMETHYL-BENZENE (µg/L)	1,3,5 TRIMETHYL-BENZENE (µg/L)	TOC ELEVATION (feet)	DEPTH TO GROUND WATER (ft)	GROUND WATER ELEVATION (ft)	FREE PRODUCT THICKNESS (ft)
MW-1	05/27/20	29	<1.0	<1.0	<2.0	NA	NA	NA	100.00	7.89	92.11	NP
	08/09/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA		5.80	94.20	NP
	11/19/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA		6.82	93.18	NP
	02/17/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		8.25	91.75	NP
	05/25/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		7.76	92.24	NP
	08/20/21	48	<1.0	<1.0	<2.0	<1.0	3.5	<1.0		5.35	94.65	NP
	11/03/21	3.9	<1.0	<1.0	<2.0	<1.0	3.0	<1.0		5.97	94.03	NP
MW-2	05/27/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	100.51	8.43	92.08	NP
	08/09/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA		6.35	94.16	NP
	11/19/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA		7.32	93.19	NP
	02/17/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		8.76	91.75	NP
	05/25/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		8.26	92.25	NP
	08/20/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		5.88	94.63	NP
	11/03/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		6.48	94.03	NP
MW-3	05/27/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	99.98	7.95	92.03	NP
	08/09/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA		5.88	94.10	NP
	11/19/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA		6.85	93.13	NP
	02/17/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		8.34	91.64	NP
	05/25/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		7.78	92.20	NP
	08/20/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		5.42	94.56	NP
	11/03/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		5.99	93.99	NP
MW-4	05/27/20	2.4	<1.0	2.2	35	NA	NA	NA	100.08	8.06	92.02	NP
	08/09/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA		5.97	94.11	NP
	11/19/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA		6.95	93.13	NP
	02/17/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		8.38	91.70	NP
	05/25/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		7.88	92.10	NP
	08/20/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		5.53	94.45	NP
	11/03/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		6.12	93.86	NP
MW-5	05/27/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	99.58	7.65	91.93	NP
	08/09/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA		5.57	94.01	NP
	11/19/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA		6.65	92.93	NP

SAMPLE LOCATION	DATE	BENZENE (µg/L)	TOLUENE (µg/L)	ETHYL BENZENE (µg/L)	TOTAL XYLENES (µg/L)	NAPHTHALENE (µg/L)	1,2,4 TRIMETHYL-BENZENE (µg/L)	1,3,5 TRIMETHYL-BENZENE (µg/L)	TOC ELEVATION (feet)	DEPTH TO GROUND WATER (ft)	GROUND WATER ELEVATION (ft)	FREE PRODUCT THICKNESS (ft)
MW-5	02/17/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	99.58	7.97	91.61	NP
	05/25/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		7.47	92.51	NP
	08/20/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		5.14	94.84	NP
	11/03/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		5.67	94.31	NP
MW-6	05/27/20	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	99.68	7.58	92.10	NP
	08/09/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA		5.59	94.09	NP
	11/19/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA		6.13	93.55	NP
	02/17/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		8.07	91.61	NP
	05/25/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		7.33	92.65	NP
	08/20/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		5.13	94.85	NP
	11/03/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		5.72	94.26	NP
MW-7	05/27/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	99.40	7.17	92.23	NP
	08/09/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA		5.15	94.25	NP
	11/19/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA		6.21	93.19	NP
	02/17/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		7.64	91.76	NP
	05/25/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		6.93	93.05	NP
	08/20/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		4.66	95.32	NP
	11/03/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		5.30	94.68	NP
MW-8	05/27/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	99.66	7.31	92.35	NP
	08/09/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA		5.35	94.31	NP
	11/19/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA		6.53	93.13	NP
	02/17/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		7.80	91.86	NP
	05/25/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		7.05	92.93	NP
	08/20/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		4.85	95.13	NP
	11/03/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		5.48	94.50	NP
Table 915-1 Standards		5	560	700	1,400	140	67	67				

Bold faced values exceed the COGCC Table 915-1 concentrations



USGS 7.5 MINUTE SERIES (TOPOGRAPHIC)

Figure 1
SITE LOCATION MAP

NOBLE ENERGY, INC. ~ McDERMED 2-1
NWNE Sec. 1, T4N, R64W ~ 40.34695°, -104.49421°
Weld County, Colorado

Project No.
CO20-022

Prepared by

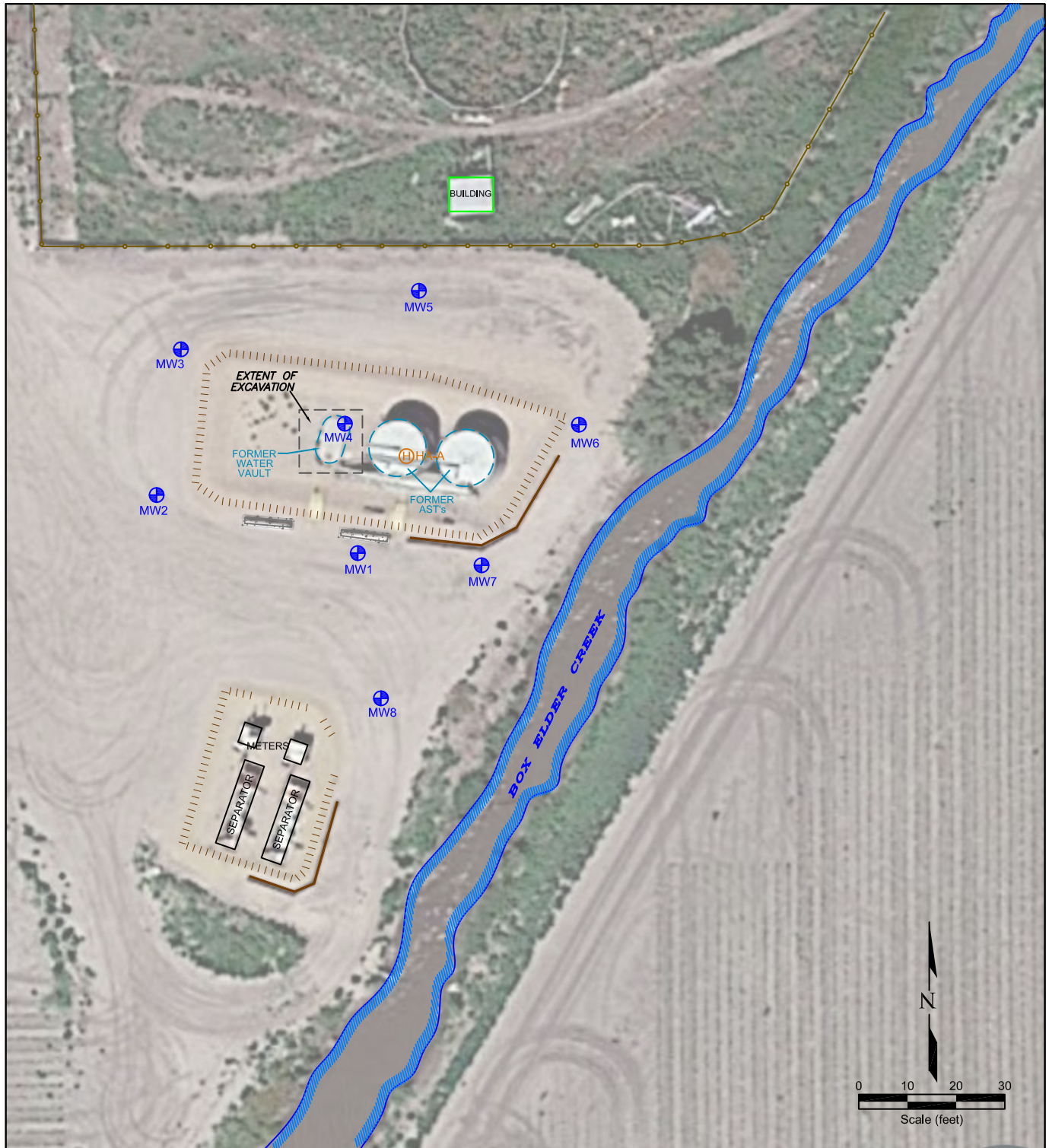
Drawn by
TA

Date
11/24/21

Reviewed by
EB

Filename
20022T





LEGEND

- MONITORING WELL
- HAND AUGURED WELL
- ABOVE GROUND STORAGE TANK
- CONCRETE BARRICADES
- FORMER FACILITY
- BUILDING
- CONTAINMENT BERM
- CONTAINMENT WALL
- FENCE LINE
- EXTENT OF EXCAVATION

Figure 2
SITE MAP

NOBLE ENERGY, INC. ~ McDERMED 2-1
NWNE Sec. 1, T4N, R64W ~ 40.34695°, -104.49421°
Weld County, Colorado

Project No.
CO20-022

Prepared by

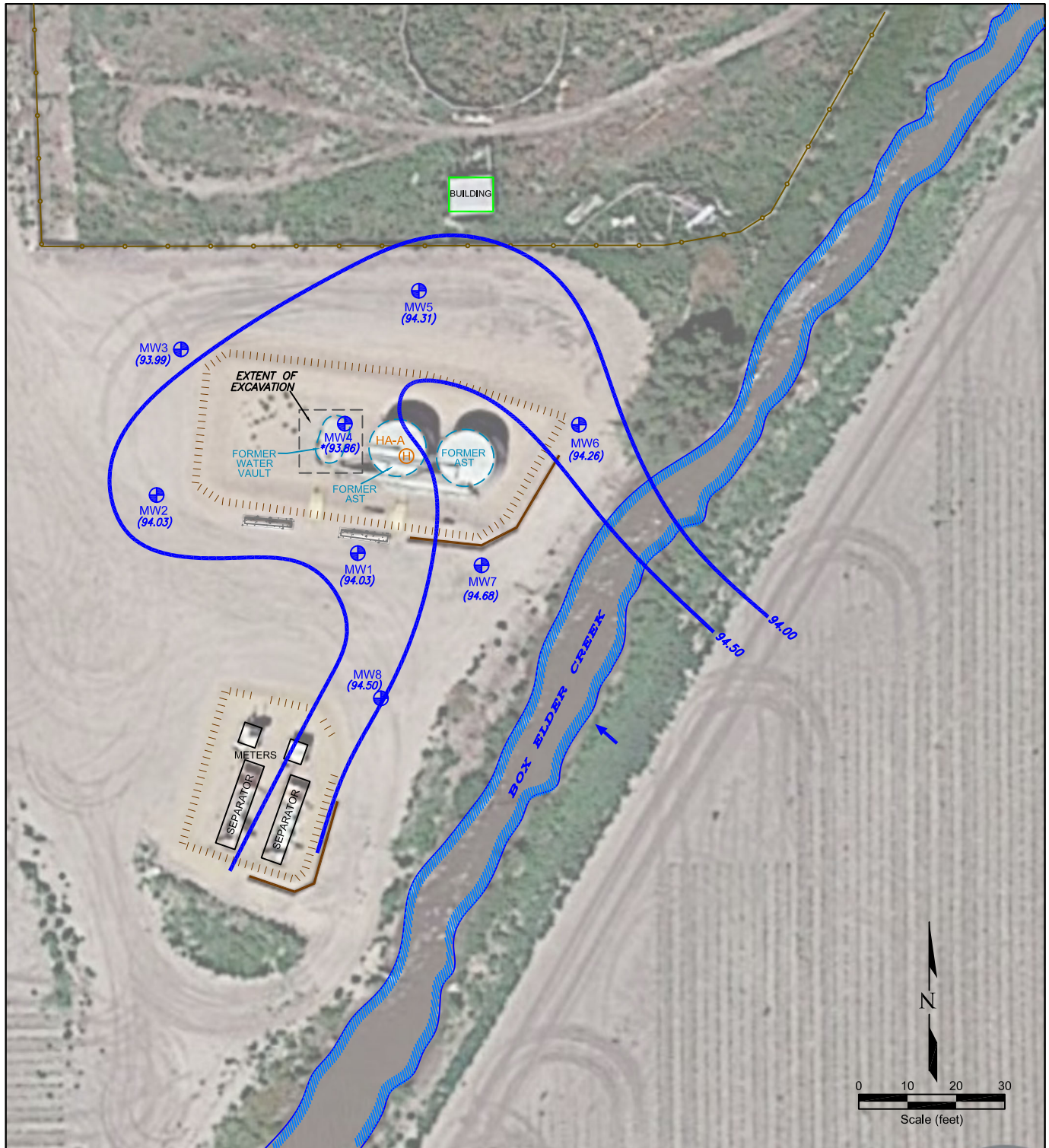
Drawn by
TA

Date
11/24/21

Reviewed by
EB

Filename
20022QQ





LEGEND

	MONITORING WELL	(94.56)	GROUND WATER ELEVATION (feet above mean sea level)
	HAND AUGURED WELL		
	ABOVE GROUND STORAGE TANK		NOT USED FOR CONTOURING
	CONCRETE BARRICADES		WATER TABLE CONTOUR (feet above mean sea level)
	FORMER FACILITY		INFERRED GROUND WATER
	BUILDING		
	CONTAINMENT BERM		
	CONTAINMENT WALL		
	FENCE LINE		
	EXTENT OF EXCAVATION		

Figure 3
INFERRED GROUNDWATER CONTOUR MAP
November 3, 2021

NOBLE ENERGY, INC. ~ McDERMED 2-1
NWNE Sec. 1, T4N, R64W ~ 40.34695°, -104.49421°
Weld County, Colorado

Project No. CO20-022	Prepared by	Drawn by TA
Date 11/24/21	Reviewed by EB	Filename 20022QQ



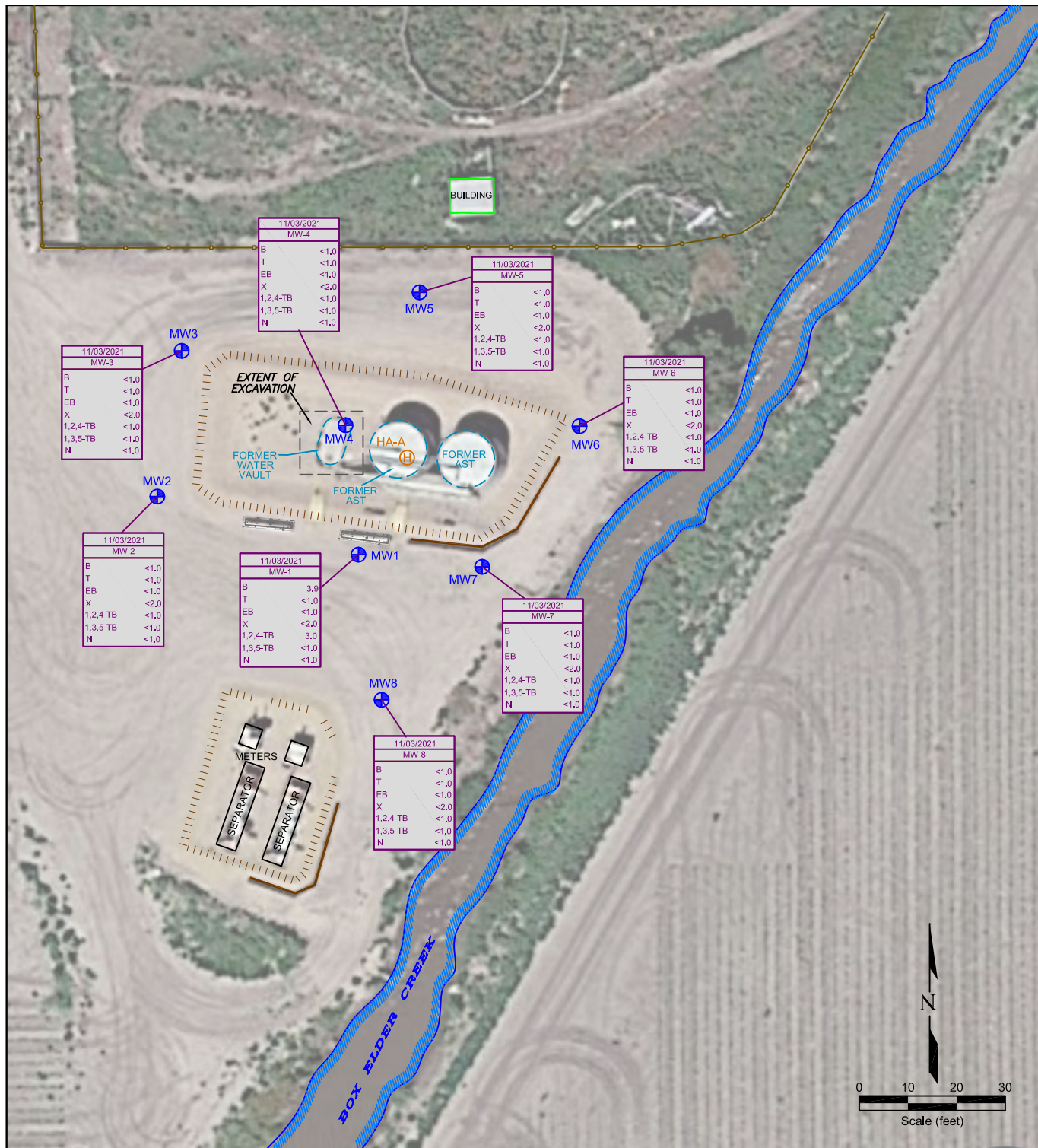


Figure 4
GROUNDWATER CHEMISTRY MAP
November 3, 2021

NOBLE ENERGY, INC. ~ McDERMED 2-1
NWNE Sec. 1, T4N, R64W ~ 40.34695°, -104.49421°
Weld County, Colorado

Project No.
CO20-022

Prepared by

Drawn by
TA

Date
11/24/21

Reviewed by
EB

Filename
20022QQ



Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

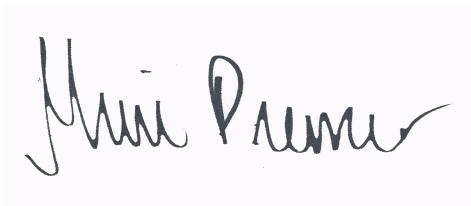
303.277.9310

November 11, 2021

Paul Henehan
Fremont Environmental
PO Box 1289
Wellington, CO 80549
Noble - McDermed 2-1
Work Order #2111050

Enclosed are the results of analyses for samples received by Summit Scientific on 11/03/21 16:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, reading "Muri Premier", is displayed on a light purple rectangular background.

Muri Premier For Paul Shrewsbury
President



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - McDermid 2-1

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/11/21 14:11

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	2111050-01	Water	11/03/21 00:00	11/03/21 16:40
MW-2	2111050-02	Water	11/03/21 00:00	11/03/21 16:40
MW-3	2111050-03	Water	11/03/21 00:00	11/03/21 16:40
MW-4	2111050-04	Water	11/03/21 00:00	11/03/21 16:40
MW-5	2111050-05	Water	11/03/21 00:00	11/03/21 16:40
MW-6	2111050-06	Water	11/03/21 00:00	11/03/21 16:40
MW-7	2111050-07	Water	11/03/21 00:00	11/03/21 16:40
MW-8	2111050-08	Water	11/03/21 00:00	11/03/21 16:40

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

S₂

2111050

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: P.O Box 1289

E-Mail: paulh@fremontenv.com, ethanb@fremontenv.com

City/State/Zip: Wellington, CO 80549

Bill to: Jacob

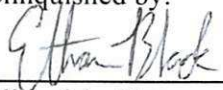
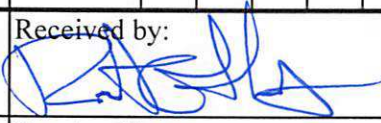
Phone: 303-956-8714

Project Name: Chevron - McDermid 2-1

Sampler Name: Black

Project Number:

					Preservative				Matrix				Analysis Requested								Special Instructions
ID	Sample Description	Date Sampled	Time Sampled	# of containers	HCl	HNO ₃	None	Other	Water	Soil	Air-Canister #	Other	BTEX / MBS	Naphthalene	GRO	DRO	SAR	EC	pH	Boron	
1	MW-1	11/3/21		3	X				X				X	X							
2	MW-2																				
3	MW-3																				
4	MW-4																				
5	MW-5																				
6	MW-6																				
7	MW-7																				
8	MW-8																				
9																					
10																					

Relinquished by: 	Date/Time: 11/3/21	Received by: 	Date/Time: 11-3-21 1640	Turn Around Time (Check) Same Day _____ 72 hours 24 hours _____ Standard <input checked="" type="checkbox"/> 48 hours _____ Sample Integrity: Temperature Upon Receipt: 3.9 Samples Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No	Notes:
Relinquished by:	Date/Time:	Received by:	Date/Time:		
Relinquished by:	Date/Time:	Received by:	Date/Time:		

S₂

2111050

Sample Receipt Checklist

S2 Work Order# _____

Client: Fremont Environmental Client Project ID: Chevron-McDermid 2-1Shipped Via: ☐ H.D. ☒ P.U. ☐ FedEx ☐ UPS ☐ USPS ☐ Other _____ Airbill #: _____Matrix (check all that apply): ☐ Air ☐ Soil/Solid ☒ Water ☐ Other: _____
(Describe)

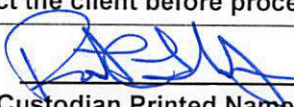
Temp (°C)

3.9

Thermometer ID: G86A9201901378

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°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"/>	on Ice
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"/>	
If custody seals are present, are they intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are samples with holding times due within 48 hours sample due within 48 hours present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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"/>	
Is the COC properly relinquished by the client w/ date and time recorded ⁽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 or Initials

 11-3-21
 Date/Time



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - McDermid 2-1

Project Number: [none]
Project Manager: Paul Henehan

Reported:
11/11/21 14:11

MW-1
2111050-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **11/03/21 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	3.9	1.0		ug/l	1	BEK0176	11/08/21	11/10/21	EPA 8260B	
Toluene	ND	1.0		"	"	"	"	"	"	
Ethylbenzene	ND	1.0		"	"	"	"	"	"	
Xylenes (total)	ND	2.0		"	"	"	"	"	"	
Naphthalene	ND	1.0		"	"	"	"	"	"	
1,2,4-Trimethylbenzene	3.0	1.0		"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0		"	"	"	"	"	"	

Date Sampled: **11/03/21 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		101 %		23-173		"	"	"	"	
Surrogate: Toluene-d8		98.8 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		105 %		21-167		"	"	"	"	

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 - McDermid 2-1

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/11/21 14:11

MW-2
2111050-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **11/03/21 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	BEK0176	11/08/21	11/09/21	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: **11/03/21 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		130 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		101 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.8 %	21-167		"	"	"	"	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - McDermid 2-1

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/11/21 14:11

MW-3
2111050-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **11/03/21 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	BEK0176	11/08/21	11/10/21	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: **11/03/21 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		103 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		99.9 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	21-167		"	"	"	"	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - McDermid 2-1

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/11/21 14:11

MW-4
2111050-04 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **11/03/21 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	BEK0176	11/08/21	11/10/21	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: **11/03/21 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		103 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		98.3 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	21-167		"	"	"	"	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - McDermid 2-1

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/11/21 14:11

MW-5
2111050-05 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **11/03/21 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	BEK0176	11/08/21	11/10/21	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: **11/03/21 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		96.9 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		101 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		105 %	21-167		"	"	"	"	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - McDermid 2-1

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/11/21 14:11

MW-6
2111050-06 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **11/03/21 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	BEK0176	11/08/21	11/10/21	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: **11/03/21 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		103 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		98.7 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	21-167		"	"	"	"	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - McDermid 2-1

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/11/21 14:11

MW-7
2111050-07 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **11/03/21 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	BEK0176	11/08/21	11/10/21	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: **11/03/21 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		101 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		98.7 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.6 %	21-167		"	"	"	"	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - McDermid 2-1

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/11/21 14:11

MW-8
2111050-08 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **11/03/21 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	BEK0176	11/08/21	11/10/21	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: **11/03/21 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		100 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		98.9 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	21-167		"	"	"	"	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - McDermid 2-1

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/11/21 14:11

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 BEK0176 - EPA 5030 Water MS

Blank (BEK0176-BLK1)

Prepared: 11/08/21 Analyzed: 11/09/21

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	17.3		"	13.3		130	23-173			
Surrogate: Toluene-d8	13.4		"	13.3		101	20-170			
Surrogate: 4-Bromofluorobenzene	13.0		"	13.3		97.2	21-167			

LCS (BEK0176-BS1)

Prepared: 11/08/21 Analyzed: 11/09/21

Benzene	34.6	1.0	ug/l	33.3		104	51-132			
Toluene	38.6	1.0	"	33.3		116	51-138			
Ethylbenzene	42.8	1.0	"	33.3		128	58-146			
m,p-Xylene	81.2	2.0	"	66.7		122	57-144			
o-Xylene	41.6	1.0	"	33.3		125	53-146			
Naphthalene	40.3	1.0	"	33.3		121	70-130			
1,2,4-Trimethylbenzene	42.3	1.0	"	33.3		127	70-130			
1,3,5-Trimethylbenzene	40.7	1.0	"	33.3		122	70-130			
Surrogate: 1,2-Dichloroethane-d4	17.5		"	13.3		131	23-173			
Surrogate: Toluene-d8	13.7		"	13.3		103	20-170			
Surrogate: 4-Bromofluorobenzene	13.0		"	13.3		97.8	21-167			

Matrix Spike (BEK0176-MS1)

Source: 2111048-01

Prepared: 11/08/21 Analyzed: 11/09/21

Benzene	34.1	1.0	ug/l	33.3	ND	102	34-141			
Toluene	38.2	1.0	"	33.3	ND	114	27-151			
Ethylbenzene	42.6	1.0	"	33.3	ND	128	29-160			
m,p-Xylene	82.0	2.0	"	66.7	ND	123	20-166			
o-Xylene	42.0	1.0	"	33.3	ND	126	33-159			
Naphthalene	41.8	1.0	"	33.3	ND	125	70-130			
1,2,4-Trimethylbenzene	42.7	1.0	"	33.3	ND	128	70-130			
1,3,5-Trimethylbenzene	41.0	1.0	"	33.3	ND	123	70-130			
Surrogate: 1,2-Dichloroethane-d4	17.7		"	13.3		133	23-173			
Surrogate: Toluene-d8	13.5		"	13.3		101	20-170			
Surrogate: 4-Bromofluorobenzene	12.9		"	13.3		96.9	21-167			

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - McDermid 2-1

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/11/21 14:11

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 BEK0176 - EPA 5030 Water MS

Matrix Spike Dup (BEK0176-MSD1)	Source: 2111048-01			Prepared: 11/08/21 Analyzed: 11/09/21						
Benzene	33.8	1.0	ug/l	33.3	ND	101	34-141	1.06	30	
Toluene	38.7	1.0	"	33.3	ND	116	27-151	1.48	30	
Ethylbenzene	43.6	1.0	"	33.3	ND	131	29-160	2.41	30	
m,p-Xylene	83.1	2.0	"	66.7	ND	125	20-166	1.39	30	
o-Xylene	42.3	1.0	"	33.3	ND	127	33-159	0.616	30	
Naphthalene	41.4	1.0	"	33.3	ND	124	70-130	1.06	30	
1,2,4-Trimethylbenzene	43.0	1.0	"	33.3	ND	129	70-130	0.771	30	
1,3,5-Trimethylbenzene	41.0	1.0	"	33.3	ND	123	70-130	0.0244	30	
Surrogate: 1,2-Dichloroethane-d4	18.8		"	13.3		141	23-173			
Surrogate: Toluene-d8	13.6		"	13.3		102	20-170			
Surrogate: 4-Bromofluorobenzene	13.1		"	13.3		98.0	21-167			

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - McDermid 2-1

Project Number: [none]
Project Manager: Paul Henchan

Reported:
11/11/21 14:11

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