

FREMONT ENVIRONMENTAL INC.

July 5, 2021

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

Subject: **Groundwater Data Submittal**
McDermed 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 McDermed 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.

Since groundwater concentrations in the site's monitoring wells have achieved four consecutive quarters of COGCC-compliant concentrations, Noble should request that no further groundwater monitoring is required at this site. Residual soil impacts are present in the unsaturated zone immediately adjacent to a PDC Energy aboveground storage tank. After this tank is removed, Noble can remove those soil impacts and request that a No Further Action (NFA) determination be provided by the COGCC.

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

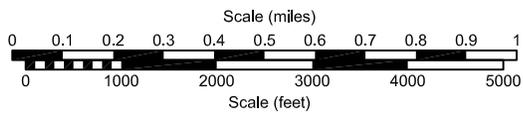
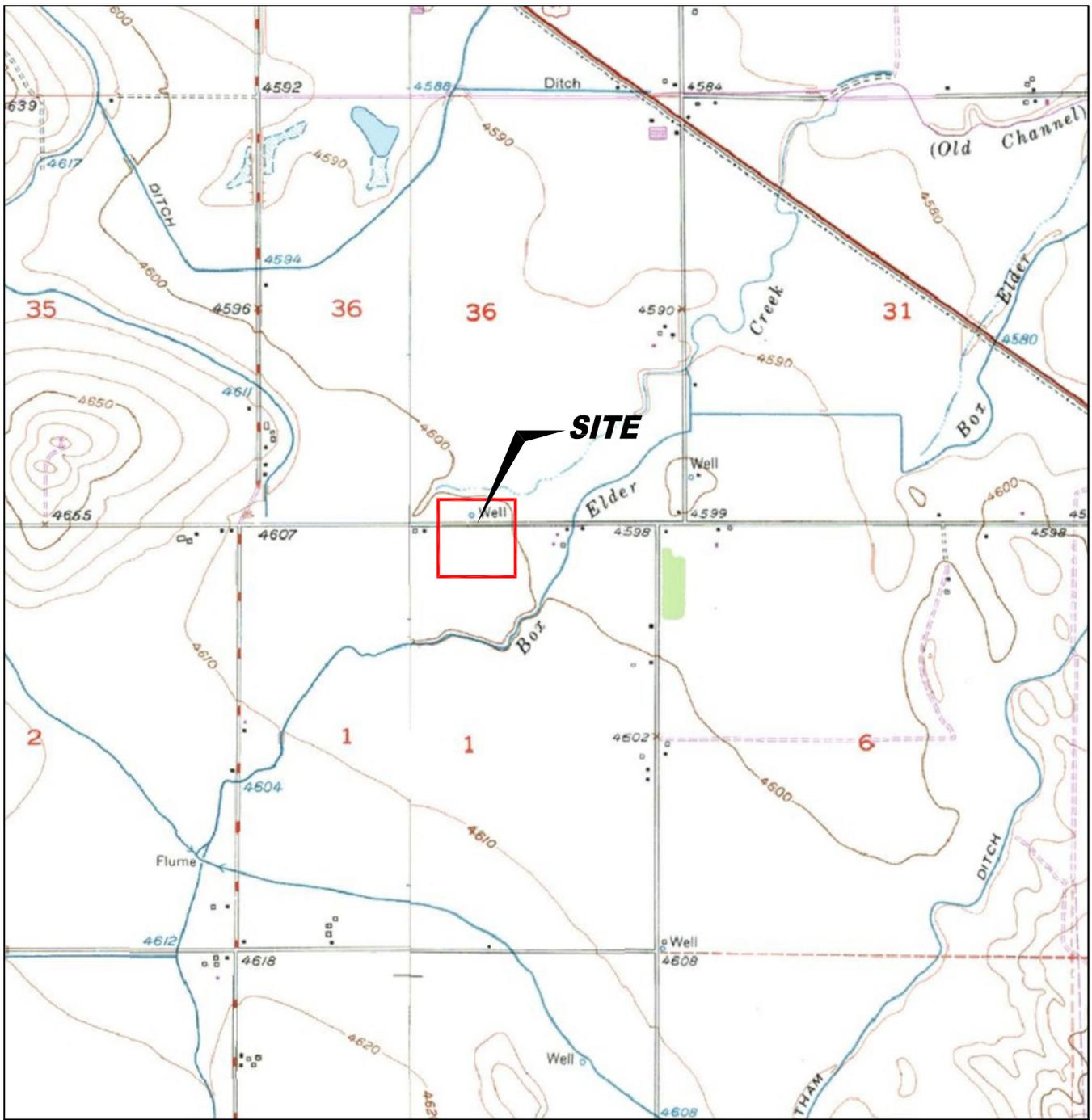
1759 REDWING LANE, BROOMFIELD, CO 80020
(303) 956-8714 (DIRECT)

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) | 1,2,4 TRIMETHYL-BENZENE (µg/L) | 1,3,5 TRIMETHYL-BENZENE (µg/L) | NAPHTHALENE (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 |
| 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 |
| 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 |
| 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 |
| 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 |
| | 02/17/21 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | | 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 |
| 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 |

| SAMPLE LOCATION | DATE | BENZENE (µg/L) | TOLUENE (µg/L) | ETHYL BENZENE (µg/L) | TOTAL XYLENES (µg/L) | 1,2,4 TRIMETHYL-BENZENE (µg/L) | 1,3,5 TRIMETHYL-BENZENE (µg/L) | NAPHTHALENE (µg/L) | TOC ELEVATION (feet) | DEPTH TO GROUND WATER (ft) | GROUND WATER ELEVATION (ft) | FREE PRODUCT THICKNESS (ft) |
|-----------------------|----------|----------------|----------------|----------------------|----------------------|--------------------------------|--------------------------------|--------------------|----------------------|----------------------------|-----------------------------|-----------------------------|
| MW-6 | 05/25/21 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | 99.68 | 7.33 | 92.65 | 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 |
| 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 |
| Table 915-1 Standards | | 5 | 560 | 700 | 1,400 | 67 | 67 | 140 | | | | |

Bold faced values exceed the COGCC Table 915-1 concentrations



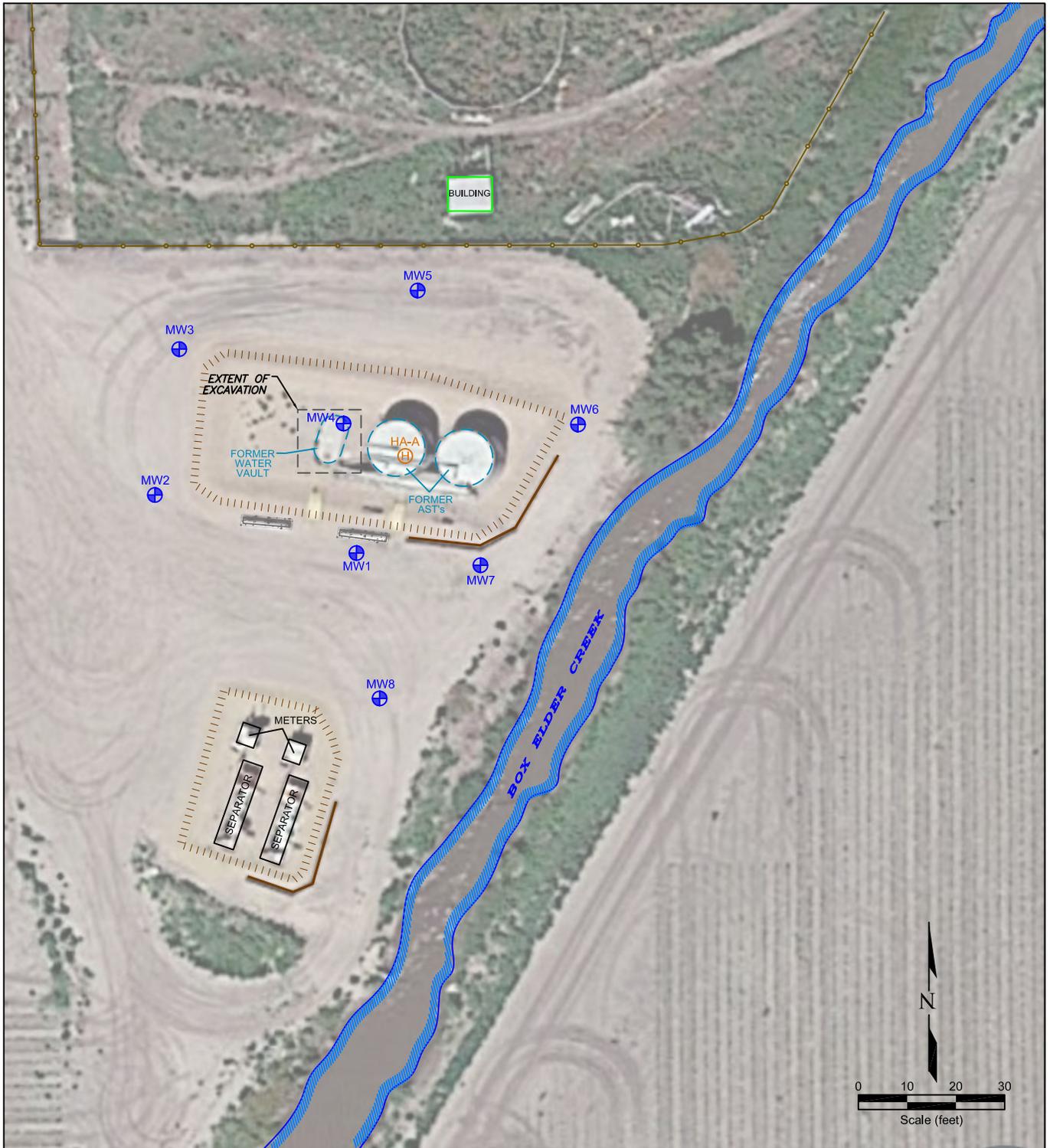
USGS 7.5 MINUTE SERIES (TOPOGRAPHIC)

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 06/30/21 | Reviewed by EB | Filename 20022T |





LEGEND

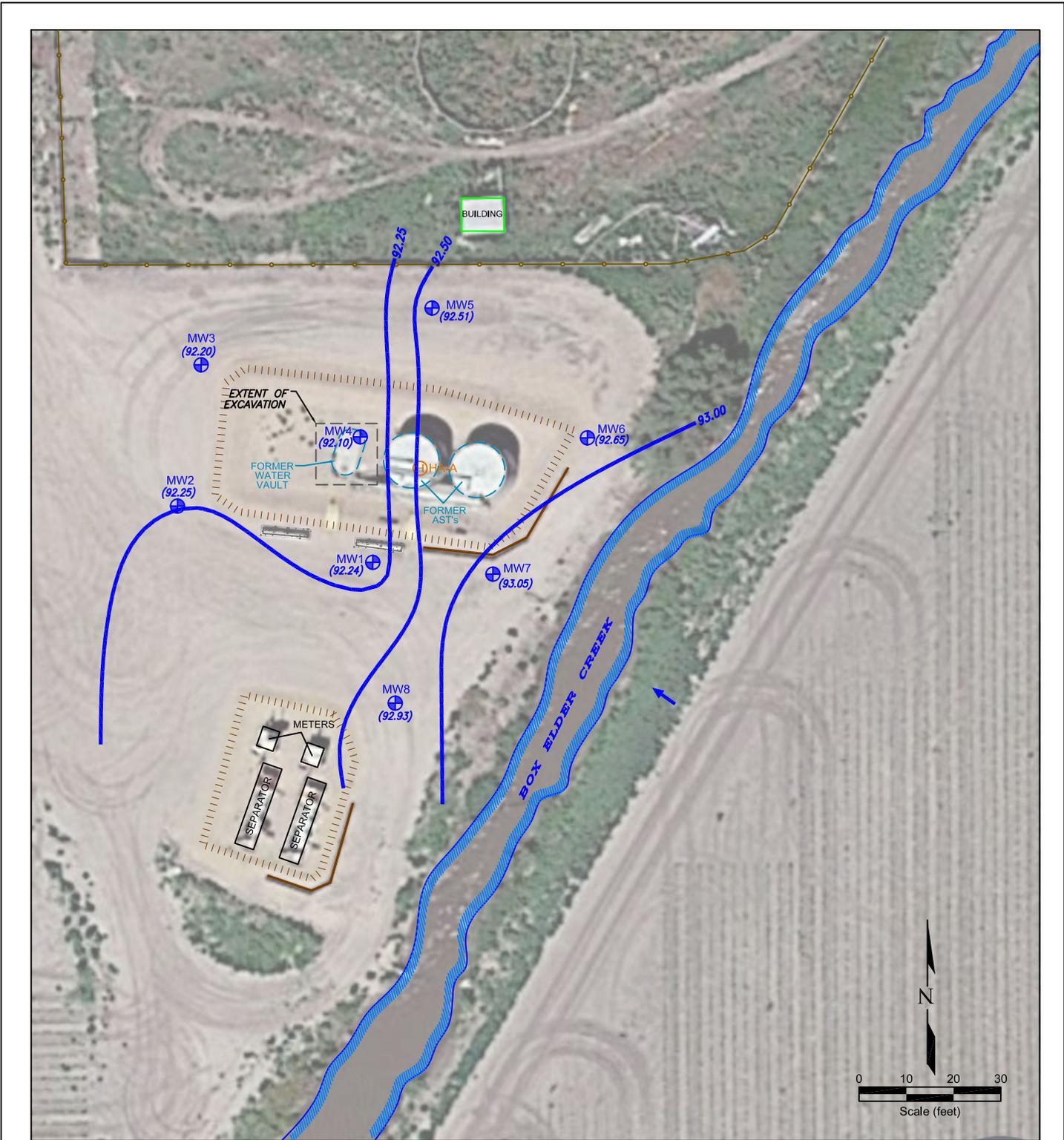
-  MONITORING WELL
-  HAND AUGURED WELL
-  ABOVE GROUND STORAGE TANK
-  CONCRETE BARRICADES
-  FORMER FACILITY
-  BUILDING
-  CONTAINMENT BERM
-  CONTAINMENT WALL
-  FENCE LINE
-  EXTENT OF EXCAVATION

**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 06/30/21 | Reviewed by EB | Filename 20022QQ |





LEGEND

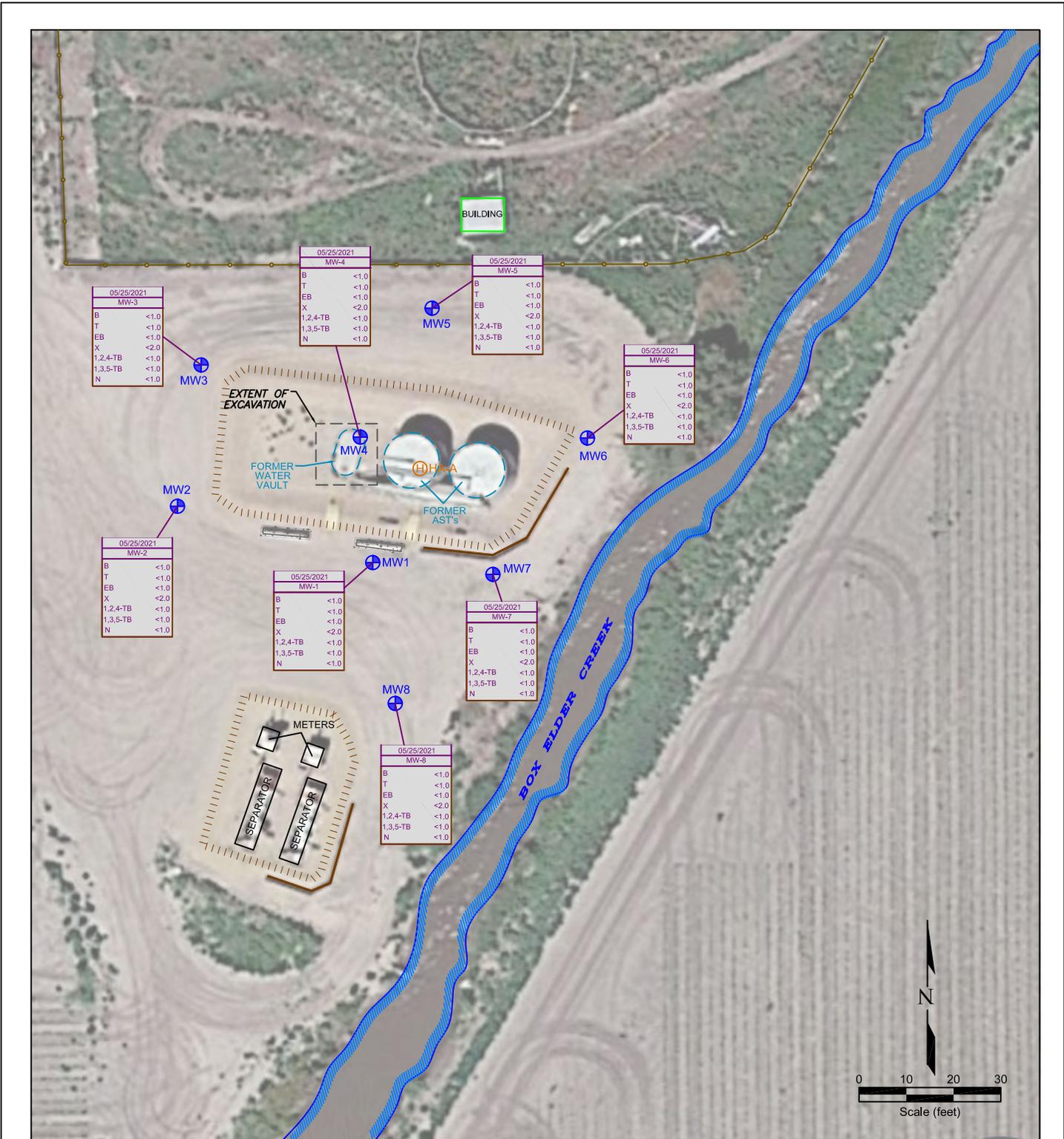
-  MONITORING WELL
-  HAND AUGURED WELL
-  ABOVE GROUND STORAGE TANK
-  CONCRETE BARRICADES
-  FORMER FACILITY
-  BUILDING
-  CONTAINMENT BERM
-  CONTAINMENT WALL
-  FENCE LINE
-  EXTENT OF EXCAVATION
-  GROUND WATER ELEVATION (feet above mean sea level)
-  WATER TABLE CONTOUR (feet above mean sea level)
-  INFERRED GROUND WATER FLOW DIRECTION

Figure 3
INFERRED GROUNDWATER CONTOUR MAP
 May 25, 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 06/30/21 | Reviewed by EB | Filename 20022QQ |





LEGEND

| | | | |
|--|---------------------------|------------|-------------------------------|
| | MONITORING WELL | 05/25/2021 | DATE SAMPLED |
| | HAND AUGURED WELL | MW-1 | SAMPLE ID |
| | ABOVE GROUND STORAGE TANK | B | BENZENE (ug/L) |
| | CONCRETE BARRICADES | T | TOLUENE (ug/L) |
| | FORMER FACILITY | EB | ETHYLBENZENE (ug/L) |
| | BUILDING | X | TOTAL XYLENES (ug/L) |
| | CONTAINMENT BERM | 1,2,4-TB | 1,2,4-TRIMETHYLBENZENE (ug/L) |
| | CONTAINMENT WALL | 1,3,5-TB | 1,3,5-TRIMETHYLBENZENE (ug/L) |
| | FENCE LINE | N | NAPHTHALENE (ug/L) |
| | EXTENT OF EXCAVATION | | |

**Figure 4
GROUNDWATER CHEMISTRY MAP
May 25, 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 06/30/21 | Reviewed by EB | Filename 20022QQ |



Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

June 09, 2021

Paul Henchan
Fremont Environmental
PO Box 1289
Wellington, CO 80549
RE: Noble - McDermed 2-1
Work Order #2105513

Enclosed are the results of analyses for samples received by Summit Scientific on 05/28/21 16:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Muri Premer". The signature is written in a cursive style with a large, stylized "M" and "P".

Muri Premer For Paul Shrewsbury
President



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - McDermed 2-1

Project Number: [none]
Project Manager: Paul Henchan

Reported:
06/09/21 15:30

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| MW-1 | 2105513-01 | Water | 05/25/21 00:00 | 05/28/21 16:00 |
| MW-2 | 2105513-02 | Water | 05/25/21 00:00 | 05/28/21 16:00 |
| MW-3 | 2105513-03 | Water | 05/25/21 00:00 | 05/28/21 16:00 |
| MW-4 | 2105513-04 | Water | 05/25/21 00:00 | 05/28/21 16:00 |
| MW-5 | 2105513-05 | Water | 05/25/21 00:00 | 05/28/21 16:00 |
| MW-6 | 2105513-06 | Water | 05/25/21 00:00 | 05/28/21 16:00 |
| MW-7 | 2105513-07 | Water | 05/25/21 00:00 | 05/28/21 16:00 |
| MW-8 | 2105513-08 | Water | 05/25/21 00:00 | 05/28/21 16:00 |

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

2105513

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: 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: Noble-McDermid 2-1

Sampler Name: Black

Project Number:

| ID | Sample Description | Date Sampled | Time Sampled | # of containers | Preservative | | | | Matrix | | | | Analysis Requested | | | | | | Special Instructions | | | |
|------------------|--------------------|--------------|--------------|-----------------|--------------|--------------|------|---|--------|------|----------------|--------|--------------------|-------------|-----|-----|-----|----|----------------------|----|--|--|
| | | | | | HCl | HNO3 | None | Other | Water | Soil | Air-Canister # | Other | BTEX/TMS | Naphthalene | GRO | DRO | SAR | EC | | pH | | |
| 1 | MW-1 | 5/25/21 | | 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: | | Received by: | | Date/Time: | | Turn Around Time (Check) | | | | Notes: | | | | | | | | | | |
| Ethan Henehan | | 5/28/21 1230 | | Jacob | | 5/28/21 1600 | | Same Day _____ 72 hours _____ | | | | | | | | | | | | | | |
| | | | | | | | | 24 hours _____ Standard <input checked="" type="checkbox"/> | | | | | | | | | | | | | | |
| | | | | | | | | 48 hours _____ | | | | | | | | | | | | | | |
| Relinquished by: | | Date/Time: | | Received by: | | Date/Time: | | Sample Integrity: | | | | | | | | | | | | | | |
| | | | | | | | | Temperature Upon Receipt: 5 | | | | | | | | | | | | | | |
| Relinquished by: | | Date/Time: | | Received by: | | Date/Time: | | Samples Intact: <input checked="" type="checkbox"/> Yes No | | | | | | | | | | | | | | |

2105513

Sample Receipt Checklist

S2 Work Order _____

Client: Fremont Client Project ID Noble - McDermed 2-1

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

Matrix (check all that apply): Air Soil/Solid Water Other: _____
(Describe)

| | |
|-----------|---|
| Temp (°C) | 5 |
|-----------|---|

Thermometer ID: 61857155-K

| | 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 provided that 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 type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Are samples with holding times due within 48 hours sample due within 48 hours present? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" 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, H2SO4, NaOH, HNO3, ect | <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.

JB
Custodian Printed Name or Initials

[Signature]
Signature of Custodian

5/25/21
Date/Time



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - McDermed 2-1

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 06/09/21 15:30

MW-1
2105513-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/25/21 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Benzene | ND | 1.0 | | ug/l | 1 | BEF0133 | 06/05/21 | 06/06/21 | 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: **05/25/21 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 63.5 % | | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 119 % | | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 104 % | | 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 - McDermed 2-1

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 06/09/21 15:30

MW-2
2105513-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/25/21 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Benzene | ND | 1.0 | | ug/l | 1 | BEF0133 | 06/05/21 | 06/06/21 | 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: **05/25/21 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 72.3 % | | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 116 % | | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 101 % | | 21-167 | | " | " | " | " | |

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - McDermed 2-1

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 06/09/21 15:30

MW-3
2105513-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/25/21 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Benzene | ND | 1.0 | | ug/l | 1 | BEF0133 | 06/05/21 | 06/06/21 | 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: **05/25/21 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 74.1 % | | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 114 % | | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 104 % | | 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 - McDermed 2-1

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 06/09/21 15:30

MW-4
2105513-04 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/25/21 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Benzene | ND | 1.0 | | ug/l | 1 | BEF0133 | 06/05/21 | 06/06/21 | 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: **05/25/21 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 66.9 % | | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 114 % | | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 99.1 % | | 21-167 | | " | " | " | " | |

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - McDermed 2-1

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 06/09/21 15:30

MW-5
2105513-05 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/25/21 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Benzene | ND | 1.0 | | ug/l | 1 | BEF0133 | 06/05/21 | 06/06/21 | 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: **05/25/21 00:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 71.1 % | | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 118 % | | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 100 % | | 21-167 | | " | " | " | " | |

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - McDermed 2-1

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 06/09/21 15:30

MW-6
2105513-06 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/25/21 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Benzene | ND | 1.0 | ug/l | 1 | BEF0133 | 06/05/21 | 06/06/21 | 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: **05/25/21 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | Units | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 71.6 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 111 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 101 % | 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 - McDermed 2-1

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 06/09/21 15:30

MW-7
2105513-07 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/25/21 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Benzene | ND | 1.0 | ug/l | 1 | BEF0133 | 06/05/21 | 06/06/21 | 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: **05/25/21 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | Units | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 67.6 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 117 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 101 % | 21-167 | | " | " | " | " | |

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - McDermed 2-1

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 06/09/21 15:30

MW-8
2105513-08 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/25/21 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Benzene | ND | 1.0 | ug/l | 1 | BEF0133 | 06/05/21 | 06/06/21 | 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: **05/25/21 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | Units | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 73.0 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 111 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 98.3 % | 21-167 | | " | " | " | " | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - McDermed 2-1

Project Number: [none]
Project Manager: Paul Henchan

Reported:
06/09/21 15:30

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BEF0133 - EPA 5030 Water MS

Blank (BEF0133-BLK1)

Prepared: 06/05/21 Analyzed: 06/06/21

| | | | | | | | | | | |
|---|-------------|-----|----------|-------------|--|-------------|--|---------------|--|--|
| 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 | " | | | | | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>11.1</i> | | <i>"</i> | <i>13.3</i> | | <i>83.5</i> | | <i>23-173</i> | | |
| <i>Surrogate: Toluene-d8</i> | <i>15.8</i> | | <i>"</i> | <i>13.3</i> | | <i>119</i> | | <i>20-170</i> | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>14.5</i> | | <i>"</i> | <i>13.3</i> | | <i>109</i> | | <i>21-167</i> | | |

LCS (BEF0133-BS1)

Prepared: 06/05/21 Analyzed: 06/06/21

| | | | | | | | | | | |
|---|-------------|-----|----------|-------------|--|-------------|--|---------------|--|--|
| Benzene | 28.8 | 1.0 | ug/l | 33.3 | | 86.4 | | 51-132 | | |
| Toluene | 42.1 | 1.0 | " | 33.3 | | 126 | | 51-138 | | |
| Ethylbenzene | 36.0 | 1.0 | " | 33.3 | | 108 | | 58-146 | | |
| m,p-Xylene | 70.2 | 2.0 | " | 66.7 | | 105 | | 57-144 | | |
| o-Xylene | 35.2 | 1.0 | " | 33.3 | | 106 | | 53-146 | | |
| Naphthalene | 36.1 | 1.0 | " | 33.3 | | 108 | | 70-130 | | |
| 1,2,4-Trimethylbenzene | 33.3 | 1.0 | " | 33.3 | | 99.9 | | 70-130 | | |
| 1,3,5-Trimethylbenzene | 33.3 | 1.0 | " | 33.3 | | 100 | | 70-130 | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>8.53</i> | | <i>"</i> | <i>13.3</i> | | <i>64.0</i> | | <i>23-173</i> | | |
| <i>Surrogate: Toluene-d8</i> | <i>15.1</i> | | <i>"</i> | <i>13.3</i> | | <i>113</i> | | <i>20-170</i> | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>14.2</i> | | <i>"</i> | <i>13.3</i> | | <i>107</i> | | <i>21-167</i> | | |

Matrix Spike (BEF0133-MS1)

Source: 2105513-01

Prepared: 06/05/21 Analyzed: 06/06/21

| | | | | | | | | | | |
|---|-------------|-----|----------|-------------|----|-------------|--|---------------|--|--|
| Benzene | 27.8 | 1.0 | ug/l | 33.3 | ND | 83.6 | | 34-141 | | |
| Toluene | 43.2 | 1.0 | " | 33.3 | ND | 129 | | 27-151 | | |
| Ethylbenzene | 38.1 | 1.0 | " | 33.3 | ND | 114 | | 29-160 | | |
| m,p-Xylene | 73.8 | 2.0 | " | 66.7 | ND | 111 | | 20-166 | | |
| o-Xylene | 36.5 | 1.0 | " | 33.3 | ND | 109 | | 33-159 | | |
| Naphthalene | 40.2 | 1.0 | " | 33.3 | ND | 121 | | 70-130 | | |
| 1,2,4-Trimethylbenzene | 35.7 | 1.0 | " | 33.3 | ND | 107 | | 70-130 | | |
| 1,3,5-Trimethylbenzene | 35.6 | 1.0 | " | 33.3 | ND | 107 | | 70-130 | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>7.48</i> | | <i>"</i> | <i>13.3</i> | | <i>56.1</i> | | <i>23-173</i> | | |
| <i>Surrogate: Toluene-d8</i> | <i>15.1</i> | | <i>"</i> | <i>13.3</i> | | <i>113</i> | | <i>20-170</i> | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>14.2</i> | | <i>"</i> | <i>13.3</i> | | <i>106</i> | | <i>21-167</i> | | |

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - McDermed 2-1

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 06/09/21 15:30

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BEF0133 - EPA 5030 Water MS

Matrix Spike Dup (BEF0133-MSD1)

Source: 2105513-01

Prepared: 06/05/21 Analyzed: 06/06/21

| | | | | | | | | | | |
|----------------------------------|------|-----|------|------|----|------|--------|-------|----|--|
| Benzene | 28.0 | 1.0 | ug/l | 33.3 | ND | 84.1 | 34-141 | 0.680 | 30 | |
| Toluene | 44.2 | 1.0 | " | 33.3 | ND | 133 | 27-151 | 2.34 | 30 | |
| Ethylbenzene | 36.9 | 1.0 | " | 33.3 | ND | 111 | 29-160 | 3.20 | 30 | |
| m,p-Xylene | 72.7 | 2.0 | " | 66.7 | ND | 109 | 20-166 | 1.47 | 30 | |
| o-Xylene | 36.5 | 1.0 | " | 33.3 | ND | 110 | 33-159 | 0.164 | 30 | |
| Naphthalene | 35.2 | 1.0 | " | 33.3 | ND | 106 | 70-130 | 13.1 | 30 | |
| 1,2,4-Trimethylbenzene | 34.6 | 1.0 | " | 33.3 | ND | 104 | 70-130 | 3.10 | 30 | |
| 1,3,5-Trimethylbenzene | 34.8 | 1.0 | " | 33.3 | ND | 104 | 70-130 | 2.50 | 30 | |
| Surrogate: 1,2-Dichloroethane-d4 | 12.0 | | " | 13.3 | | 89.8 | 23-173 | | | |
| Surrogate: Toluene-d8 | 15.8 | | " | 13.3 | | 119 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 14.7 | | " | 13.3 | | 110 | 21-167 | | | |

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - McDermed 2-1

Project Number: [none]
Project Manager: Paul Henchan

Reported:
06/09/21 15:30

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