

FREMONT ENVIRONMENTAL INC.

July 5, 2021

Mr. Jason Davidson
Great Western Operating Company, LLC
1001 17th Street, Suite 2000
Denver, CO 80202

Subject: **Groundwater Data Submittal**
 Schneider 179HNX Flow Line
 API # 05-123-46402
 NWSW Sec 7, T4N, R66W
 Weld County, Colorado
 Fremont Project No. C021-021
 Remediation #17320

Dear Mr. Davidson:

Enclosed please find a copy of the above referenced Groundwater Data Submittal for the Schneider 179HNX Flow Line site in Weld County, Colorado. The enclosed data describes groundwater quality at the site during the recent quarterly sampling event.

The monitoring wells will continue to be sampled on a quarterly basis until four consecutive quarters of COGCC-compliant concentrations are achieved. At that time, Great Western should 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. Henahan, P.E.
Senior Consultant

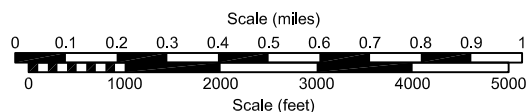
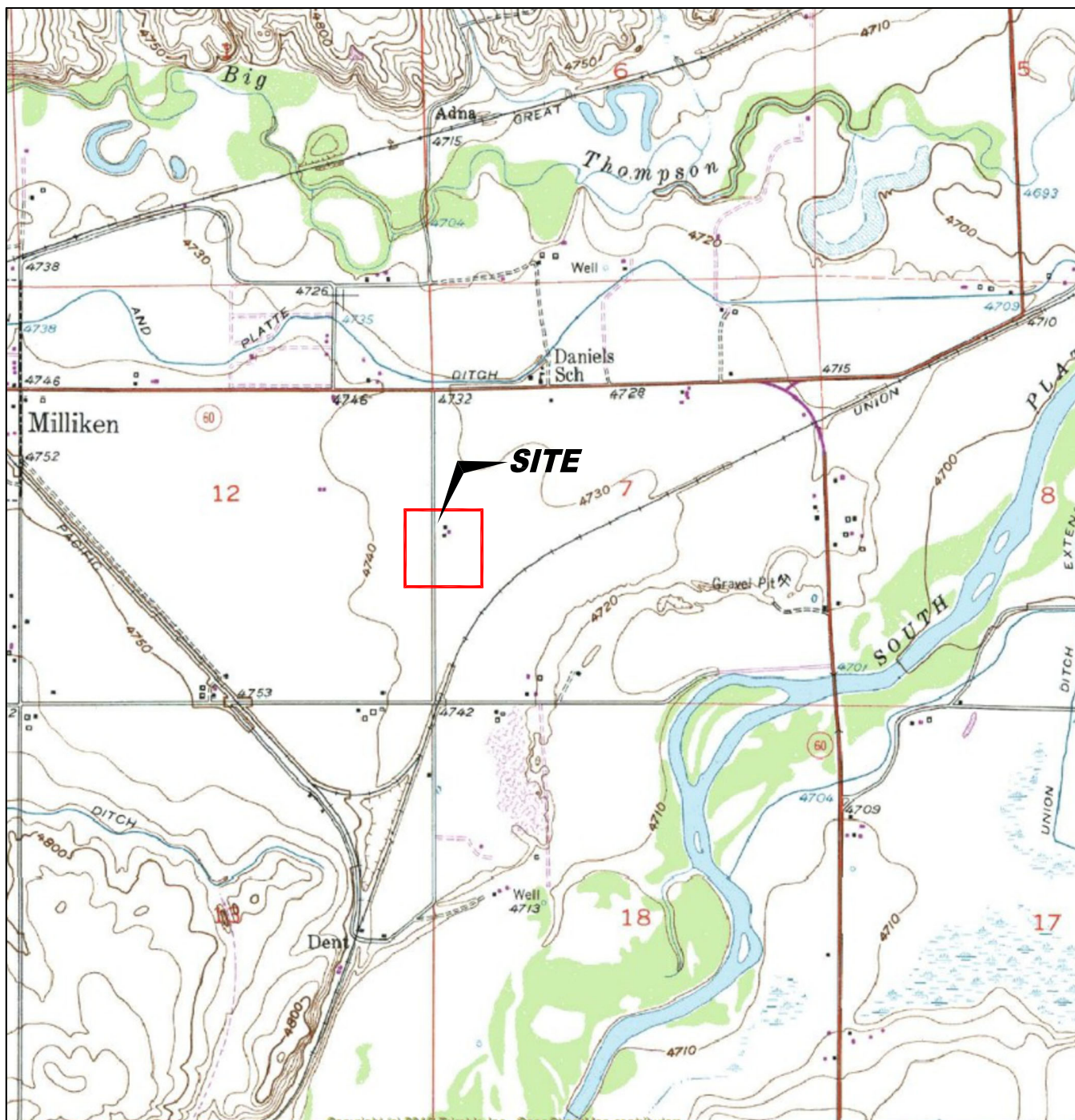
Attachments

TABLE 1
SUMMARY OF ORGANIC GROUNDWATER CHEMISTRY DATA
GREAT WESTERN OPERATING COMPANY
SCHNEIDER 179 HNX, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C021-021

| SAMPLE LOCATION | DATE | BENZENE (µg/L) | TOLUENE (µg/L) | ETHYL BENZENE (µg/L) | TOTAL XYLENES (µg/L) | NAPH-THALENE (µg/L) | 1,2,4 TMB (µg/L) | 1,3,5 TMB (µg/L) | TOC ELEV (FT) | DTW (FT) | GW ELEV (FT) | LNAPL (FT) |
|--------------------|----------|----------------|----------------|----------------------|----------------------|---------------------|------------------|------------------|---------------|----------|--------------|------------|
| MW-1 | 03/27/21 | <1.0 | <1.0 | <1.0 | <1.0 | <4.0 | <1.0 | <1.0 | 100.00 | 18.93 | 81.07 | NP |
| | 06/23/21 | <1.0 | <1.0 | <1.0 | 2.46 | <4.0 | <1.0 | <1.0 | | 18.21 | 81.79 | NP |
| MW-2 | 03/27/21 | <1.0 | <1.0 | <1.0 | 6.05 | <4.0 | <1.0 | 1.07 | 99.67 | 18.74 | 80.93 | NP |
| | 06/23/21 | <1.0 | <1.0 | <1.0 | <1.0 | <4.0 | <1.0 | <1.0 | | 18.04 | 81.63 | NP |
| MW-3 | 03/27/21 | <1.0 | <1.0 | <1.0 | <1.0 | <4.0 | <1.0 | <1.0 | 99.80 | 18.78 | 81.02 | NP |
| | 06/23/21 | <1.0 | <1.0 | <1.0 | <1.0 | <4.0 | <1.0 | <1.0 | | 18.05 | 81.75 | NP |
| MW-4 | 03/27/21 | <1.0 | <1.0 | <1.0 | <1.0 | <4.0 | <1.0 | <1.0 | 99.62 | 18.39 | 81.23 | NP |
| | 06/23/21 | <1.0 | <1.0 | <1.0 | <1.0 | <4.0 | <1.0 | <1.0 | | 17.64 | 81.98 | NP |
| MW-5 | 03/27/21 | <1.0 | <1.0 | <1.0 | <1.0 | <4.0 | <1.0 | <1.0 | 99.73 | 18.38 | 81.35 | NP |
| | 06/23/21 | <1.0 | <1.0 | <1.0 | <1.0 | <4.0 | <1.0 | <1.0 | | 17.62 | 82.11 | NP |
| Table 915-1 Limits | | 5 | 560 | 700 | 1,400 | 140 | 67 | 67 | | | | |

Bold face values exceed the COGCC limits

NP - No Free Product



USGS 7.5 MINUTE SERIES (TOPOGRAPHIC)

Figure 1
SITE LOCATION MAP

Great Western Operating Company
SCHNEIDER 179 HNX (Flowline Release)
NWSW Sec. 7, T4S, R66W 6th PM
Weld County, Colorado

Project #
C021-024

Prepared By

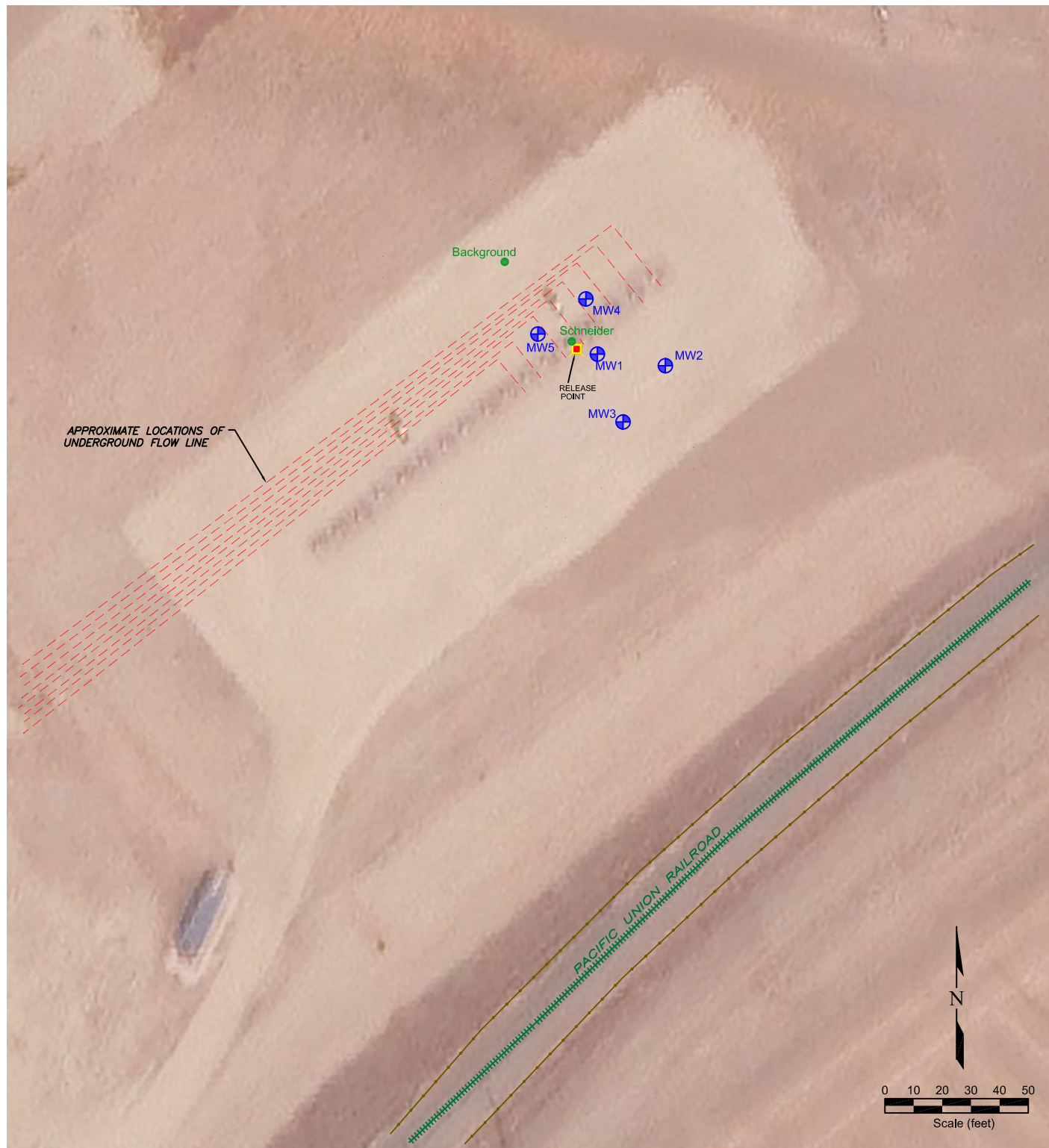
Drawn By
TA

Date
07/07/21

Reviewed By
PH

Filename
21024T





LEGEND

- SOIL BORING LOCATION
- ⊕ MONITORING WELL LOCATION
- RELEASE POINT
- UNDERGROUND FLOW LINE
- +++++ RAILROAD TRACKS
- FENCE LINE

Figure 2
SITE MAP

Great Western Operating Company
SCHNEIDER 179 HNX (Flowline Release)
 NWSW Sec. 7, T4S, R66W 6th PM
 Weld County, Colorado

Project No.
C021-024

Prepared By

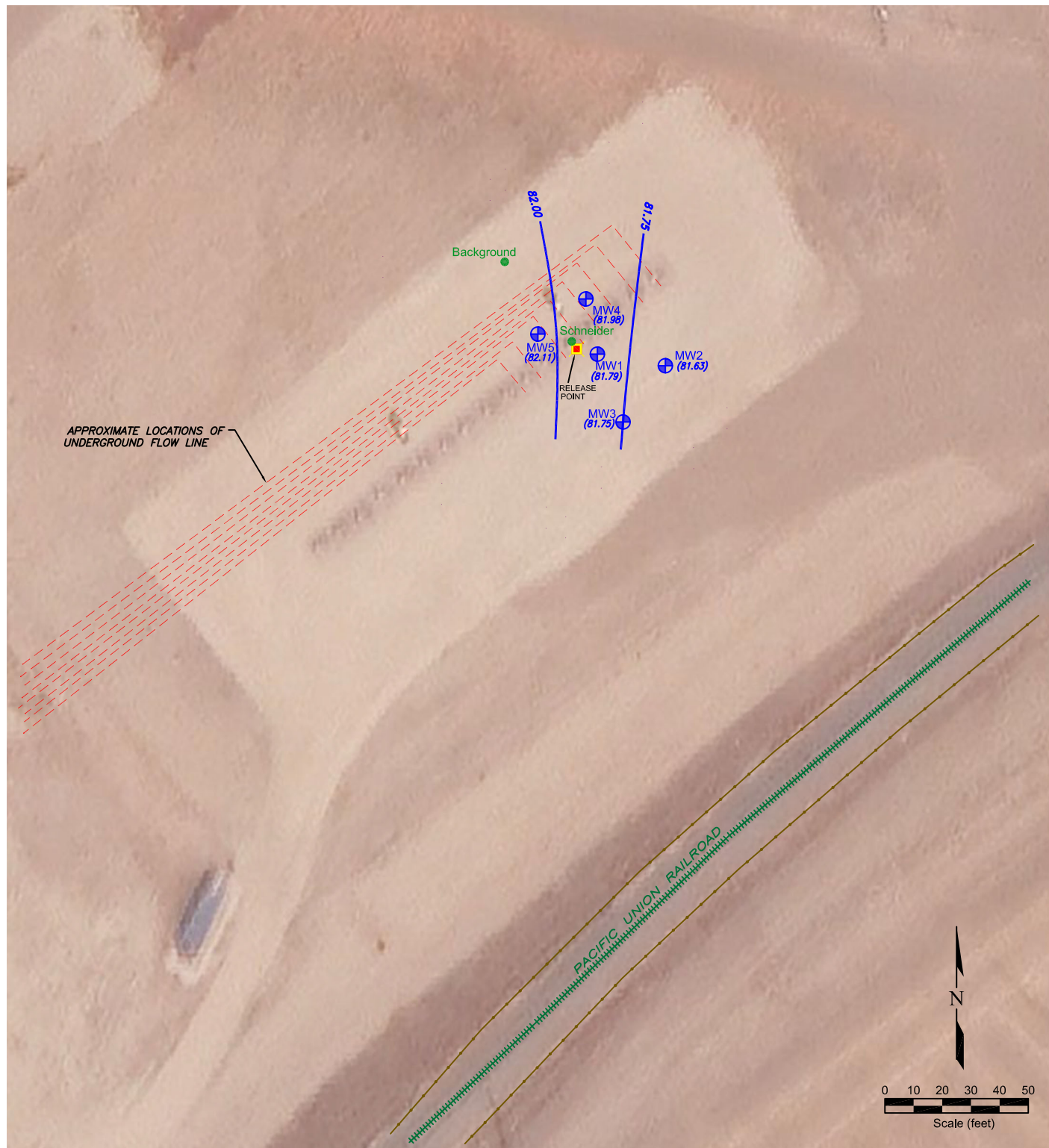
Drawn By
TA

Date
07/07/21

Reviewed By
PH

Filename
21024QG





LEGEND

- SOIL BORING LOCATION
- ⊕ MONITORING WELL LOCATION
- RELEASE POINT
- UNDERGROUND FLOW LINE
- + + + + + RAILROAD TRACKS
- FENCE LINE
- (81.07) GROUND WATER ELEVATION (ft above arbitrary datum)
- ~ WATER TABLE CONTOUR
- GROUND WATER FLOW DIRECTION

Figure 3
INFERRED GROUNDWATER CONTOUR MAP
 June 23, 2021
Great Western Operating Company
SCHNEIDER 179 HNX (Flowline Release)
 NWSW Sec. 7, T4S, R66W 6th PM
 Weld County, Colorado

Project No.
C021-024

Prepared By

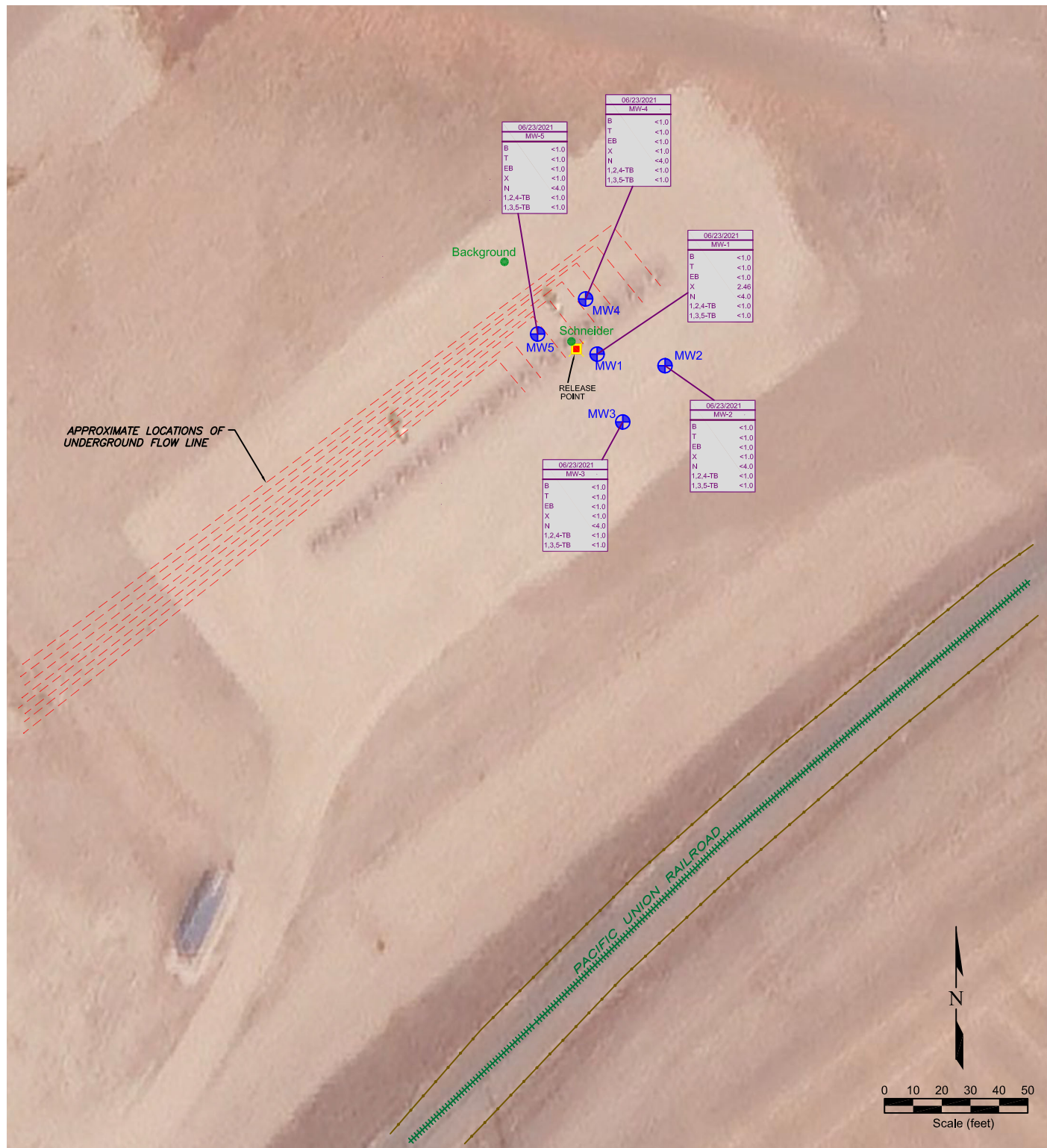
Drawn By
TA

Date
07/07/21

Reviewed By
PH

Filename
21024QG





LEGEND

- SOIL BORING LOCATION
- ⊕ MONITORING WELL LOCATION
- RELEASE POINT
- - - - - UNDERGROUND FLOW LINE
- +++++ RAILROAD TRACKS
- ===== FENCE LINE

| DATE SAMPLED | SAMPLE ID | DATE SAMPLED | SAMPLE ID |
|--------------|-----------|--------------|-----------|
| 06/23/2021 | MW-1 | 06/23/2021 | MW-5 |
| B | <1.0 | B | <1.0 |
| T | <1.0 | T | <1.0 |
| EB | <1.0 | EB | <1.0 |
| X | 2.46 | X | <1.0 |
| N | <4.0 | N | <4.0 |
| 1,2,4-TB | <1.0 | 1,2,4-TB | <1.0 |
| 1,3,5-TB | <1.0 | 1,3,5-TB | <1.0 |

Figure 4
GROUNDWATER CHEMISTRY MAP
June 23, 2021
Great Western Operating Company
SCHNEIDER 179 HNX (Flowline Release)
 NSW Sec. 7, T4S, R66W 6th PM
 Weld County, Colorado

Project No.
C021-024

Prepared By

Drawn By
TA

Date
07/07/21

Reviewed By
PH

Filename
21024QG





July 01, 2021

Fremont Environmental

Paul Henehan

8305 6th St, PO Box 1289

Wellington CO 80549

Project Name - GWOC - Schneider

Project Number - C021-024

Attached are your analytical results for GWOC - Schneider received by Origins Laboratory, Inc. June 24, 2021. This project is associated with Origins project number Y106600-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

Fremont Environmental

8305 6th St, PO Box 1289

Wellington CO 80549

Paul Henehan

Project Number: C021-024

Project: GWOC - Schneider

CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|--------------------|------------------|
| MW-1 | Y106600-01 | Water | June 23, 2021 0:00 | 06/24/2021 11:30 |
| MW-2 | Y106600-02 | Water | June 23, 2021 0:00 | 06/24/2021 11:30 |
| MW-3 | Y106600-03 | Water | June 23, 2021 0:00 | 06/24/2021 11:30 |
| MW-4 | Y106600-04 | Water | June 23, 2021 0:00 | 06/24/2021 11:30 |
| MW-5 | Y106600-05 | Water | June 23, 2021 0:00 | 06/24/2021 11:30 |

Origins Laboratory, Inc.



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.

Paul Henahan
Project Number: C021-024
Project: GWOC - Schneider

| | | | |
|------------------------------------|--|---|--|
| ORIGINS LABORATORY, INC. | | www.originslaboratory.com | |
| Client: Fremont Environmental Inc. | | page <input type="text"/> of <input type="text"/> | |
| Address: | | Project Manager: Henahan | |
| Telephone Number: | | Project Name: GWOC - SCHAEIDER | |
| Email Address: | | Project Number: C021-024 | |
| | | Samples Collected By: HENAHAN | |

| Sample ID Description | Date Sampled | Time Sampled | # of Containers | Preservative | | | | | | Matrix | | | Analysis | | | | | | | Sample Instructions | |
|-----------------------|--------------|--------------|-----------------|--------------|-------|------------------|------------------|-------------|------|----------------------|-------|-------------|----------|------|--------------|-------|------------|---------|------------|---------------------|-------------------------|
| | | | | Unpreserved | HCl | HNO ₃ | Other | Groundwater | Soil | Air Summa Canister # | Other | GRTEXN+TMBs | DRO/ORO | PAHs | PFH, BC, SAR | Boron | 915 metals | Arsenic | BTEXN+TMBs | | TDS, Cl, S ₂ |
| | | | | | | | | | | | | | | | | | | | | | |
| MW-1 | 6/23/21 | | 2 | ✓ | | | | | ✓ | | | | | | | | ✓ | | 1 | | |
| MW-2 | | | | | | | | | | | | | | | | | | | 2 | | |
| MW-3 | | | | | | | | | | | | | | | | | | | 3 | | |
| MW-4 | | | | | | | | | | | | | | | | | | | 4 | | |
| MW-5 | | | | | | | | | | | | | | | | | | | 5 | | |
| | | | | | | | | | | | | | | | | | | | 6 | | |
| | | | | | | | | | | | | | | | | | | | 7 | | |
| | | | | | | | | | | | | | | | | | | | 8 | | |
| | | | | | | | | | | | | | | | | | | | 9 | | |
| | | | | | | | | | | | | | | | | | | | 10 | | |
| Relinquished By: | | Date: | Time: | Received By: | Date: | Time: | Turnaround Time: | | | | | | | | | | | | | | |
| Relinquished By: | | Date: | Time: | Received By: | Date: | Time: | Turnaround Time: | | | | | | | | | | | | | | |

Date Results Needed

16.0

Intent

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

8305 6th St, PO Box 1289

Wellington CO 80549

Paul Henehan

Project Number: C021-024

Project: GWOC - Schneider

Origins Laboratory

Sample Receipt Checklist

F-012207-01-R1
Effective Date: 01/09/12

Origins Work Order: 4106600

Client: Fremont

Client Project ID: GWOC - Schneider

Checklist Completed by: JP

Shipped Via: HD
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 6/24/21

Airbill #: NA

Matrix(s) Received: (Check all that apply): Soil/Solid ☒ Water ☐ Other: (Describe)

Cooler Number/Temperature: 1 116.0 °C / °C / °C / °C

Thermometer ID: TD03

| Requirement Description | Yes | No | N/A | Comments (if any) |
|---|-------------------------------------|-------------------------------------|-------------------------------------|-------------------|
| If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ? | | <input checked="" type="checkbox"/> | | |
| Is there ice present (document if blue ice is used) | <input checked="" type="checkbox"/> | | | |
| Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact) | | <input checked="" type="checkbox"/> | | |
| Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact) | | <input checked="" type="checkbox"/> | | |
| Were all samples received intact ⁽¹⁾ ? | <input checked="" type="checkbox"/> | | | |
| Was adequate sample volume provided ⁽¹⁾ ? | <input checked="" type="checkbox"/> | | | |
| Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ? | | <input checked="" type="checkbox"/> | | |
| Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ? | <input checked="" type="checkbox"/> | | | |
| Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ? | <input checked="" type="checkbox"/> | | | |
| Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ? | <input checked="" type="checkbox"/> | | | |
| Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ? | <input checked="" type="checkbox"/> | | | |
| For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative. | | <input checked="" type="checkbox"/> | | |
| Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity) / (pH < 2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH > 10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH) | | | <input checked="" type="checkbox"/> | |
| Additional Comments (if any): | | | | |

⁽¹⁾ If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) JP

Date/Time Reviewed 6/24/21

Origins Laboratory, Inc.

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
8305 6th St, PO Box 1289
Wellington CO 80549

Paul Henehan
Project Number: C021-024
Project: GWOC - Schneider

MW-1

6/23/2021 12:00:00AM

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Analyst | Prepared | Analyzed | Notes |
|---------|--------|-----------------|-------|----------|-------|---------|----------|----------|-------|
|---------|--------|-----------------|-------|----------|-------|---------|----------|----------|-------|

Origins Laboratory, Inc. Y106600-01 (Water)

BTEX+N+TMBs by 8260D

| | | | | | | | | | |
|------------------------|------|------|------|---|---------|-----|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 1.00 | ug/L | 1 | B1F2511 | KDK | 06/25/2021 | 06/26/2021 | U |
| 1,3,5-Trimethylbenzene | ND | 1.00 | " | " | " | KDK | " | " | U |
| Benzene | ND | 1.00 | " | " | " | KDK | " | " | U |
| Ethylbenzene | ND | 1.00 | " | " | " | KDK | " | " | U |
| Naphthalene | ND | 4.00 | " | " | " | KDK | " | " | U |
| Toluene | ND | 1.00 | " | " | " | KDK | " | " | U |
| Xylenes, total | 2.46 | 1.00 | " | " | " | KDK | " | " | |

| | | | | | | | | | |
|----------------------------------|-------|--------|--|--|---|--|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 116 % | 70-130 | | | " | | " | " | |
| Surrogate: Toluene-d8 | 100 % | 70-130 | | | " | | " | " | |
| Surrogate: 4-Bromofluorobenzene | 102 % | 70-130 | | | " | | " | " | |

Origins Laboratory, Inc.



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
8305 6th St, PO Box 1289
Wellington CO 80549

Paul Henehan
Project Number: C021-024
Project: GWOC - Schneider

MW-2

6/23/2021 12:00:00AM

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Analyst | Prepared | Analyzed | Notes |
|---------|--------|-----------------|-------|----------|-------|---------|----------|----------|-------|
|---------|--------|-----------------|-------|----------|-------|---------|----------|----------|-------|

Origins Laboratory, Inc. Y106600-02 (Water)

BTEX+N+TMBs by 8260D

| | | | | | | | | | |
|------------------------|----|------|------|---|---------|-----|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 1.00 | ug/L | 1 | B1F2511 | KDK | 06/25/2021 | 06/26/2021 | U |
| 1,3,5-Trimethylbenzene | ND | 1.00 | " | " | " | KDK | " | " | U |
| Benzene | ND | 1.00 | " | " | " | KDK | " | " | U |
| Ethylbenzene | ND | 1.00 | " | " | " | KDK | " | " | U |
| Naphthalene | ND | 4.00 | " | " | " | KDK | " | " | U |
| Toluene | ND | 1.00 | " | " | " | KDK | " | " | U |
| Xylenes, total | ND | 1.00 | " | " | " | KDK | " | " | U |

| | | | | | |
|----------------------------------|-------|--------|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 116 % | 70-130 | " | " | " |
| Surrogate: Toluene-d8 | 100 % | 70-130 | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 102 % | 70-130 | " | " | " |

Origins Laboratory, Inc.



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
8305 6th St, PO Box 1289
Wellington CO 80549

Paul Henehan
Project Number: C021-024
Project: GWOC - Schneider

MW-3

6/23/2021 12:00:00AM

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Analyst | Prepared | Analyzed | Notes |
|---------|--------|-----------------|-------|----------|-------|---------|----------|----------|-------|
|---------|--------|-----------------|-------|----------|-------|---------|----------|----------|-------|

Origins Laboratory, Inc. Y106600-03 (Water)

BTEX+N+TMBs by 8260D

| | | | | | | | | | |
|------------------------|----|------|------|---|---------|-----|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 1.00 | ug/L | 1 | B1F2511 | KDK | 06/25/2021 | 06/26/2021 | U |
| 1,3,5-Trimethylbenzene | ND | 1.00 | " | " | " | KDK | " | " | U |
| Benzene | ND | 1.00 | " | " | " | KDK | " | " | U |
| Ethylbenzene | ND | 1.00 | " | " | " | KDK | " | " | U |
| Naphthalene | ND | 4.00 | " | " | " | KDK | " | " | U |
| Toluene | ND | 1.00 | " | " | " | KDK | " | " | U |
| Xylenes, total | ND | 1.00 | " | " | " | KDK | " | " | U |

| | | | | | |
|----------------------------------|--------|--------|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 117 % | 70-130 | " | " | " |
| Surrogate: Toluene-d8 | 99.4 % | 70-130 | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 102 % | 70-130 | " | " | " |

Origins Laboratory, Inc.



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Fremont Environmental
8305 6th St, PO Box 1289
Wellington CO 80549

Paul Henehan
Project Number: C021-024
Project: GWOC - Schneider

MW-4

6/23/2021 12:00:00AM

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Analyst | Prepared | Analyzed | Notes |
|---------|--------|-----------------|-------|----------|-------|---------|----------|----------|-------|
|---------|--------|-----------------|-------|----------|-------|---------|----------|----------|-------|

Origins Laboratory, Inc. Y106600-04 (Water)

BTEX+N+TMBs by 8260D

| | | | | | | | | | |
|------------------------|----|------|------|---|---------|-----|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 1.00 | ug/L | 1 | B1F2511 | KDK | 06/25/2021 | 06/26/2021 | U |
| 1,3,5-Trimethylbenzene | ND | 1.00 | " | " | " | KDK | " | " | U |
| Benzene | ND | 1.00 | " | " | " | KDK | " | " | U |
| Ethylbenzene | ND | 1.00 | " | " | " | KDK | " | " | U |
| Naphthalene | ND | 4.00 | " | " | " | KDK | " | " | U |
| Toluene | ND | 1.00 | " | " | " | KDK | " | " | U |
| Xylenes, total | ND | 1.00 | " | " | " | KDK | " | " | U |

| | | | | | |
|----------------------------------|--------|--------|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 120 % | 70-130 | " | " | " |
| Surrogate: Toluene-d8 | 99.6 % | 70-130 | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 102 % | 70-130 | " | " | " |

Origins Laboratory, Inc.



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Fremont Environmental
8305 6th St, PO Box 1289
Wellington CO 80549

Paul Henehan
Project Number: C021-024
Project: GWOC - Schneider

MW-5

6/23/2021 12:00:00AM

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Analyst | Prepared | Analyzed | Notes |
|---------|--------|-----------------|-------|----------|-------|---------|----------|----------|-------|
|---------|--------|-----------------|-------|----------|-------|---------|----------|----------|-------|

Origins Laboratory, Inc. Y106600-05 (Water)

BTEX+N+TMBs by 8260D

| | | | | | | | | | |
|------------------------|----|------|------|---|---------|-----|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 1.00 | ug/L | 1 | B1F2511 | KDK | 06/25/2021 | 06/26/2021 | U |
| 1,3,5-Trimethylbenzene | ND | 1.00 | " | " | " | KDK | " | " | U |
| Benzene | ND | 1.00 | " | " | " | KDK | " | " | U |
| Ethylbenzene | ND | 1.00 | " | " | " | KDK | " | " | U |
| Naphthalene | ND | 4.00 | " | " | " | KDK | " | " | U |
| Toluene | ND | 1.00 | " | " | " | KDK | " | " | U |
| Xylenes, total | ND | 1.00 | " | " | " | KDK | " | " | U |

| | | | | | |
|----------------------------------|--------|--------|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 122 % | 70-130 | " | " | " |
| Surrogate: Toluene-d8 | 99.4 % | 70-130 | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 103 % | 70-130 | " | " | " |

Origins Laboratory, Inc.



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Fremont Environmental
8305 6th St, PO Box 1289
Wellington CO 80549

Paul Henehan
Project Number: C021-024
Project: GWOC - Schneider

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|-----------------|-------|-------------|---|------|-------------|-----|-----------|-------|
| Batch B1F2511 - EPA 5030B (Water) | | | | | | | | | | |
| Blank (B1F2511-BLK1) | | | | | Prepared: 06/25/2021 Analyzed: 06/26/2021 | | | | | |
| 1,2,4-Trimethylbenzene | ND | 1.00 | ug/L | | | | | | | U |
| 1,3,5-Trimethylbenzene | ND | 1.00 | " | | | | | | | U |
| Benzene | ND | 1.00 | " | | | | | | | U |
| Ethylbenzene | ND | 1.00 | " | | | | | | | U |
| Naphthalene | ND | 4.00 | " | | | | | | | U |
| Toluene | ND | 1.00 | " | | | | | | | U |
| Xylenes, total | ND | 1.00 | " | | | | | | | U |
| Surrogate: 1,2-Dichloroethane-d4 | 71 | | " | 62.5 | | 114 | 70-130 | | | |
| Surrogate: Toluene-d8 | 63 | | " | 62.5 | | 101 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 63 | | " | 62.5 | | 101 | 70-130 | | | |

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Fremont Environmental
8305 6th St, PO Box 1289
Wellington CO 80549

Paul Henehan
Project Number: C021-024
Project: GWOC - Schneider

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|-----------------|-------|-------------|---|------|-------------|-----|-----------|-------|
| Batch B1F2511 - EPA 5030B (Water) | | | | | | | | | | |
| LCS (B1F2511-BS1) | | | | | Prepared: 06/25/2021 Analyzed: 06/26/2021 | | | | | |
| 1,2,4-Trimethylbenzene | 28.0 | 1.00 | ug/L | 25.0 | | 112 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 27.5 | 1.00 | " | 25.0 | | 110 | 70-130 | | | |
| Benzene | 27.0 | 1.00 | " | 25.0 | | 108 | 70-130 | | | |
| Ethylbenzene | 26.3 | 1.00 | " | 25.0 | | 105 | 70-130 | | | |
| m,p-Xylene | 55.3 | 2.00 | " | 50.0 | | 111 | 70-130 | | | |
| Naphthalene | 23.5 | 4.00 | " | 25.0 | | 93.9 | 70-130 | | | |
| o-Xylene | 27.0 | 1.00 | " | 25.0 | | 108 | 70-130 | | | |
| Toluene | 26.5 | 1.00 | " | 25.0 | | 106 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 72 | | " | 62.5 | | 115 | 70-130 | | | |
| Surrogate: Toluene-d8 | 63 | | " | 62.5 | | 100 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 62 | | " | 62.5 | | 99.4 | 70-130 | | | |

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Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

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

Batch B1F2511 - EPA 5030B (Water)

| Matrix Spike (B1F2511-MS1) | | Source: Y106611-01 | | | Prepared: 06/25/2021 Analyzed: 06/26/2021 | | | | | |
|----------------------------------|------|--------------------|------|------|---|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 25.5 | 1.00 | ug/L | 25.0 | ND | 102 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 25.0 | 1.00 | " | 25.0 | ND | 99.9 | 70-130 | | | |
| Benzene | 25.5 | 1.00 | " | 25.0 | ND | 102 | 70-130 | | | |
| Ethylbenzene | 24.6 | 1.00 | " | 25.0 | ND | 98.5 | 70-130 | | | |
| m,p-Xylene | 51.7 | 2.00 | " | 50.0 | ND | 103 | 70-130 | | | |
| Naphthalene | 24.1 | 4.00 | " | 25.0 | ND | 96.5 | 70-130 | | | |
| o-Xylene | 25.3 | 1.00 | " | 25.0 | ND | 101 | 70-130 | | | |
| Toluene | 24.3 | 1.00 | " | 25.0 | ND | 97.2 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 72 | | " | 62.5 | | 116 | 70-130 | | | |
| Surrogate: Toluene-d8 | 61 | | " | 62.5 | | 98.3 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 64 | | " | 62.5 | | 103 | 70-130 | | | |

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Paul Henehan
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Project: GWOC - Schneider

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|---------------------------|-----------------|-------|-------------|---|------|-------------|------|-----------|-------|
| Batch B1F2511 - EPA 5030B (Water) | | | | | | | | | | |
| Matrix Spike Dup (B1F2511-MSD1) | Source: Y106611-01 | | | | Prepared: 06/25/2021 Analyzed: 06/26/2021 | | | | | |
| 1,2,4-Trimethylbenzene | 27.5 | 1.00 | ug/L | 25.0 | ND | 110 | 70-130 | 7.36 | 20 | |
| 1,3,5-Trimethylbenzene | 27.0 | 1.00 | " | 25.0 | ND | 108 | 70-130 | 7.81 | 20 | |
| Benzene | 27.1 | 1.00 | " | 25.0 | ND | 108 | 70-130 | 6.04 | 20 | |
| Ethylbenzene | 26.6 | 1.00 | " | 25.0 | ND | 107 | 70-130 | 7.84 | 20 | |
| m,p-Xylene | 55.7 | 2.00 | " | 50.0 | ND | 111 | 70-130 | 7.56 | 20 | |
| Naphthalene | 26.5 | 4.00 | " | 25.0 | ND | 106 | 70-130 | 9.40 | 20 | |
| o-Xylene | 27.5 | 1.00 | " | 25.0 | ND | 110 | 70-130 | 8.32 | 20 | |
| Toluene | 26.1 | 1.00 | " | 25.0 | ND | 104 | 70-130 | 7.14 | 20 | |
| Surrogate: 1,2-Dichloroethane-d4 | 73 | | " | 62.5 | | 117 | 70-130 | | | |
| Surrogate: Toluene-d8 | 61 | | " | 62.5 | | 98.0 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 64 | | " | 62.5 | | 103 | 70-130 | | | |

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Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

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