

FREMONT ENVIRONMENTAL INC.

September 30, 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

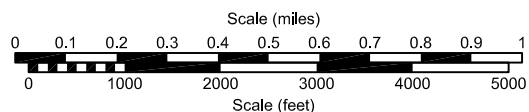
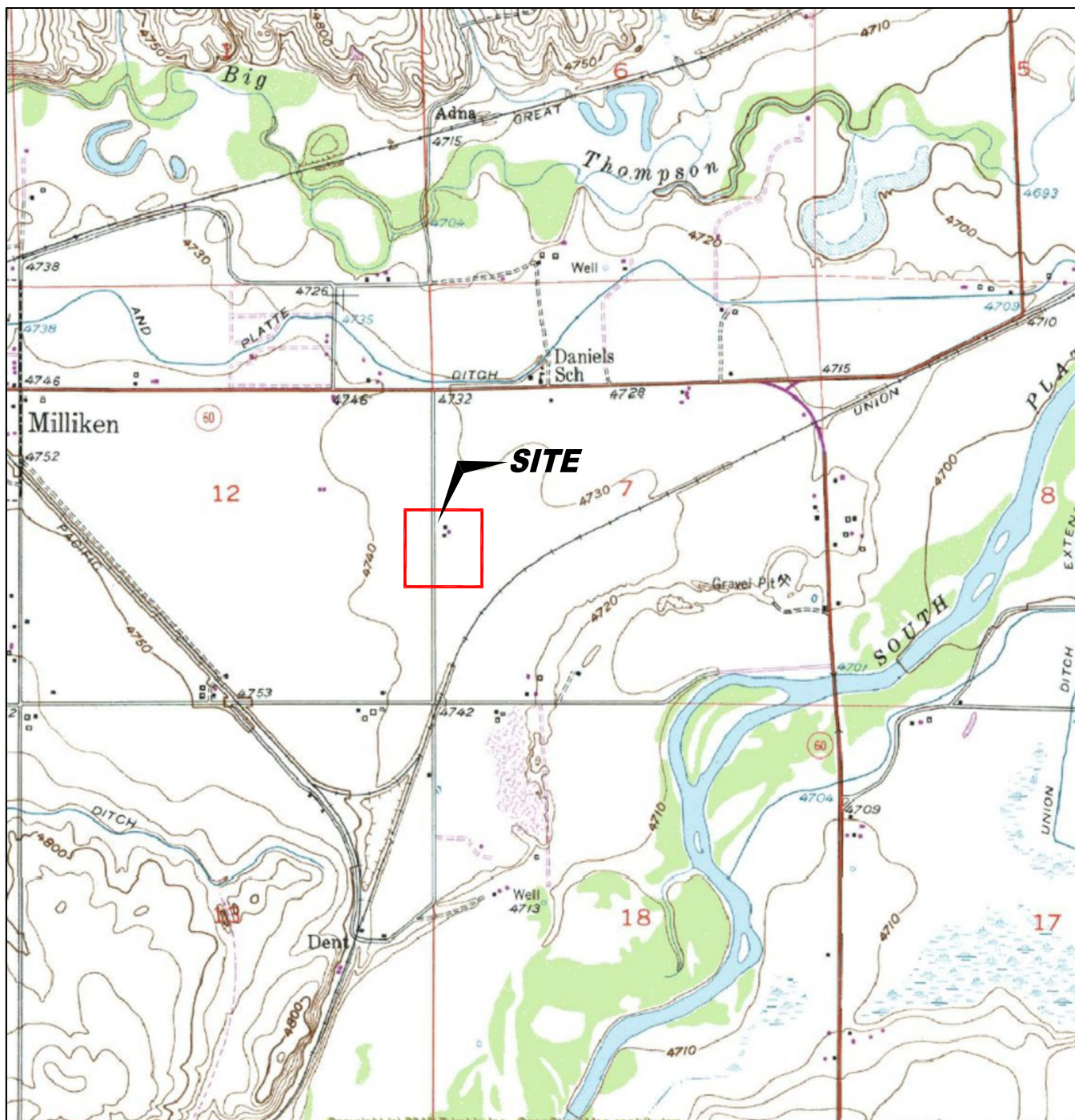
Attachments

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
	09/17/21	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0		15.73	84.27	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
	09/17/21	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0		15.56	84.11	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
	09/17/21	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0		15.58	84.22	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
	09/17/21	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0		15.23	84.39	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
	09/17/21	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0		15.22	84.51	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

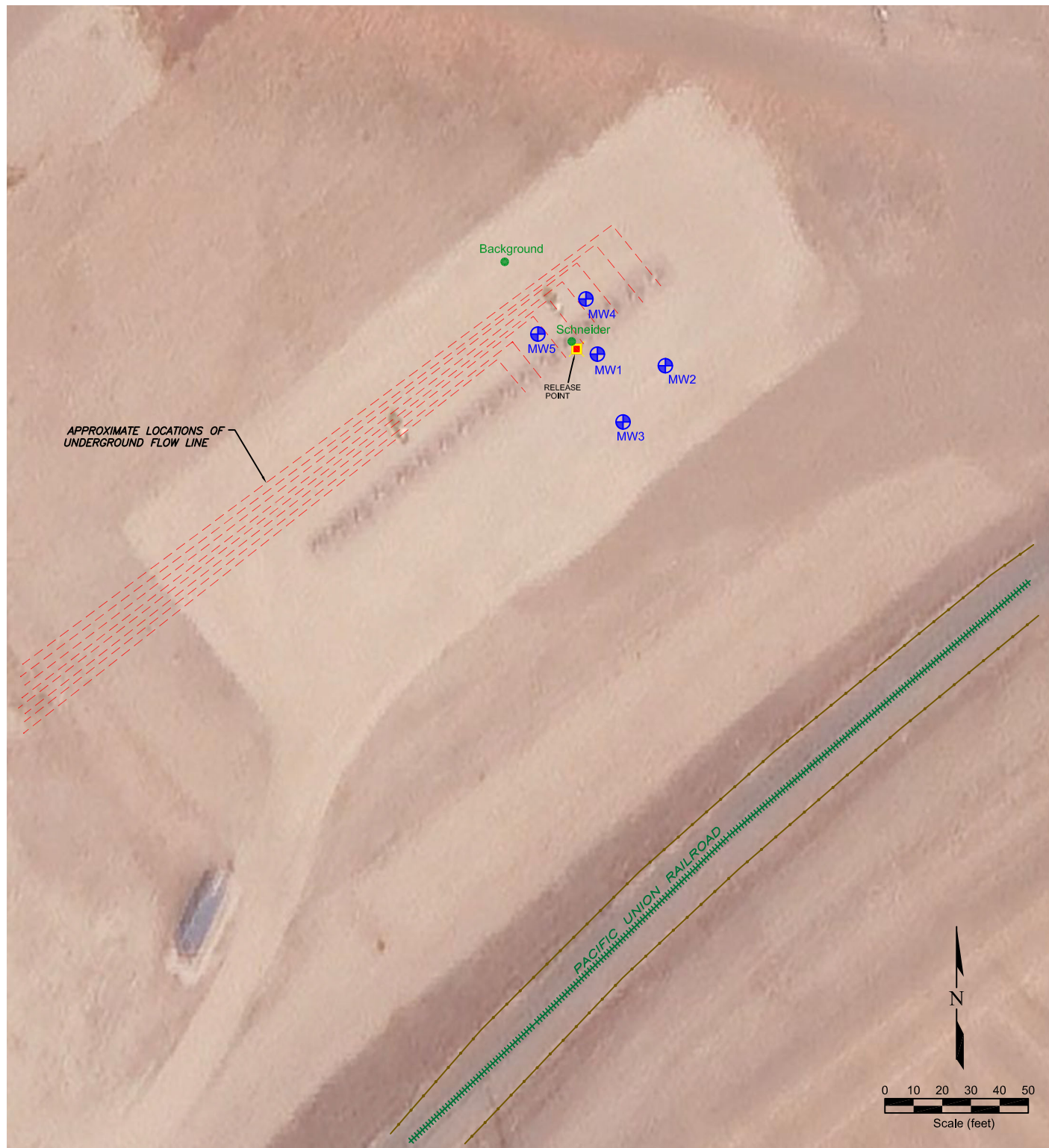
Drawn By
TA

Date
9/23/21

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

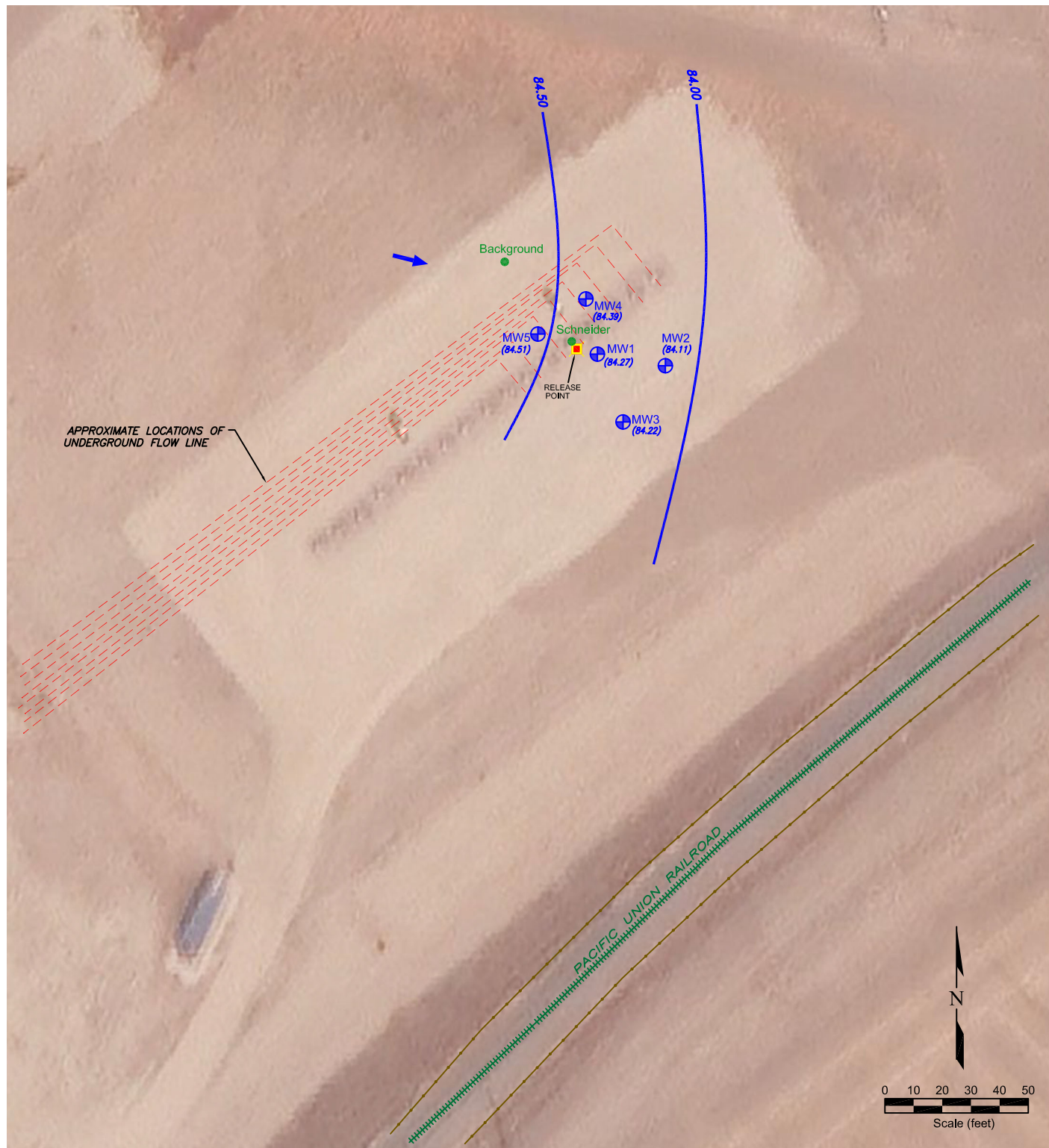
Drawn By
TA

Date
9/24/21

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)
- 84.00 WATER TABLE CONTOUR
- GROUND WATER FLOW DIRECTION

Figure 3
INFERRED GROUNDWATER CONTOUR MAP
 September 17, 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

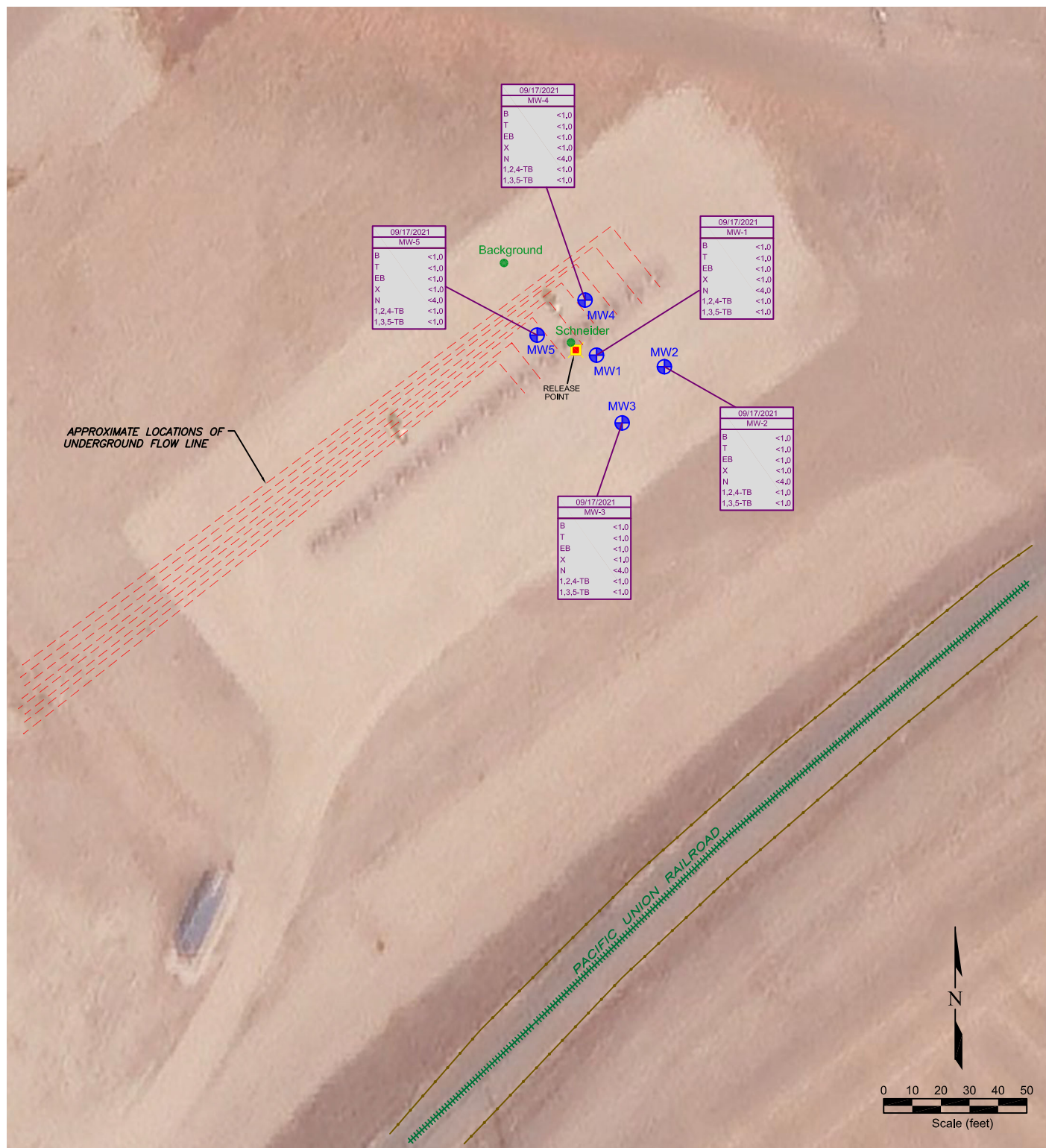
Drawn By
TA

Date
9/24/21

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	
06/23/2021	MW-1	
B	<1.0	BENZENE (ug/L)
T	<1.0	TOLUENE (ug/L)
EB	<1.0	ETHYLBENZENE (ug/L)
X	2.46	TOTAL XYLENES (ug/L)
N	<4.0	NAPHTHALENE (ug/L)
1,2,4-TB	<1.0	1,2,4-TRIMETHYLBENZENE (ug/L)
1,3,5-TB	<1.0	1,3,5-TRIMETHYLBENZENE (ug/L)

Figure 4
GROUNDWATER CHEMISTRY MAP
September 17, 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
9/24/21

Reviewed By
PH

Filename
21024QG





September 28, 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. September 20, 2021. This project is associated with Origins project number Y109381-01.

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	Y109381-01	Water	September 17, 2021 0:00	09/20/2021 12:00
MW-2	Y109381-02	Water	September 17, 2021 0:00	09/20/2021 12:00
MW-3	Y109381-03	Water	September 17, 2021 0:00	09/20/2021 12:00
MW-4	Y109381-04	Water	September 17, 2021 0:00	09/20/2021 12:00
MW-5	Y109381-05	Water	September 17, 2021 0:00	09/20/2021 12:00

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.

Jen Pellegrini For Noelle Doyle Mathis, President

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

ORIGINS

LABORATORY, INC

Client:

Fremont Environmental Inc.

Address:

Telephone Number:

Email Address:

185301

www.originslaboratory.com

page 1 of 1

Project Manager:

Henehan

Project Name:

GWDC - SCIENCE DEZ

Project Number:

Samples Collected By:

HENEHAN

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	GBTEXN+TMBS	DEQ/ORO	PAHs	PBT, PC, SAR	Boron	915 metals	Aromatic		ETEXN+TMBS	TTS, CL, Su
NW-1	9/17/21		3	✓					✓								✓		1		
NW-2																			2		
NW-3																			3		
NW-4																			4		
NW-5																			5		
																			6		
																			7		
																			8		
																			9		
																			10		
Relinquished By: B. A. / SE	Date: 9/20/21	Time:	Received By: (Signature)	Date: 9/20/21	Time:	Turnaround Time: Same Day <input checked="" type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/>	Standard <input checked="" type="checkbox"/>														
Relinquished By:	Date:	Time:	Received By:	Date:	Time:																

Date Results Needed

5.2

Jeff Pellipini

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

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

Sample Receipt Checklist

Origins Work Order: 1109381

Client: Fremont

Client Project ID: Schneider

Checklist Completed by: SG

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

Date/time completed: 9/20/21

Airbill #: _____

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

Cooler Number/Temperature: 1 5.2 °C _____ °C _____ °C (Describe) _____ °C

Thermometer ID: T003

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"/>		1b sample files
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) jm

9-21-21
Date/Time Reviewed

Origins Laboratory, Inc.

Jefe Pellegrini

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

9/17/2021 12:00:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y109381-01 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	1.00	ug/L	1	B112104	KDK	09/21/2021	09/23/2021	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	105 %	70-130	"	"	"
Surrogate: Toluene-d8	92.3 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	108 %	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

9/17/2021 12:00:00AM

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

Origins Laboratory, Inc. Y109381-02 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	1.00	ug/L	1	B112104	KDK	09/21/2021	09/23/2021	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	106 %	70-130	"	"	"
Surrogate: Toluene-d8	91.4 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	109 %	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-3

9/17/2021 12:00:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y109381-03 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	1.00	ug/L	1	B112104	KDK	09/21/2021	09/23/2021	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	108 %	70-130	"	"	"
Surrogate: Toluene-d8	91.6 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	107 %	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

9/17/2021 12:00:00AM

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

Origins Laboratory, Inc. Y109381-04 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	1.00	ug/L	1	B112104	KDK	09/21/2021	09/23/2021	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	106 %	70-130	"	"	"
Surrogate: Toluene-d8	91.7 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	107 %	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-5

9/17/2021 12:00:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y109381-05 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	1.00	ug/L	1	B112104	KDK	09/21/2021	09/23/2021	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	107 %	70-130	"	"	"
Surrogate: Toluene-d8	91.6 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	109 %	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 B112104 - EPA 5030B (Water)										
Blank (B112104-BLK1)					Prepared: 09/21/2021 Analyzed: 09/23/2021					
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	65		"	62.5		104	70-130			
Surrogate: Toluene-d8	59		"	62.5		94.0	70-130			
Surrogate: 4-Bromofluorobenzene	66		"	62.5		105	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 B1I2104 - EPA 5030B (Water)										
LCS (B1I2104-BS1)					Prepared: 09/21/2021 Analyzed: 09/23/2021					
1,2,4-Trimethylbenzene	57.8	1.00	ug/L	50.0		116	70-130			
1,3,5-Trimethylbenzene	57.0	1.00	"	50.0		114	70-130			
Benzene	51.5	1.00	"	50.0		103	70-130			
Ethylbenzene	51.8	1.00	"	50.0		104	70-130			
m,p-Xylene	101	2.00	"	100		101	70-130			
Naphthalene	55.6	4.00	"	50.0		111	70-130			
o-Xylene	52.6	1.00	"	50.0		105	70-130			
Toluene	48.5	1.00	"	50.0		97.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	68		"	62.5		109	70-130			
Surrogate: Toluene-d8	59		"	62.5		95.2	70-130			
Surrogate: 4-Bromofluorobenzene	67		"	62.5		107	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 B112104 - EPA 5030B (Water)										
Matrix Spike (B112104-MS1)		Source: Y109358-21			Prepared: 09/21/2021 Analyzed: 09/23/2021					
1,2,4-Trimethylbenzene	474	1.00	ug/L	50.0	555	NR	70-130			QM-07
1,3,5-Trimethylbenzene	126	1.00	"	50.0	87.4	78.1	70-130			
Benzene	45.0	1.00	"	50.0	0.860	88.4	70-130			
Ethylbenzene	326	1.00	"	50.0	290	71.7	70-130			
m,p-Xylene	555	2.00	"	100	2430	NR	70-130			QM-07
Naphthalene	84.1	4.00	"	50.0	25.0	118	70-130			
o-Xylene	149	1.00	"	50.0	112	75.2	70-130			QM-07
Toluene	41.7	1.00	"	50.0	ND	83.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	66		"	62.5		106	70-130			
Surrogate: Toluene-d8	61		"	62.5		97.4	70-130			
Surrogate: 4-Bromofluorobenzene	65		"	62.5		104	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

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 B112104 - EPA 5030B (Water)										
Matrix Spike Dup (B112104-MSD1)	Source: Y109358-21				Prepared: 09/21/2021 Analyzed: 09/23/2021					
1,2,4-Trimethylbenzene	439	1.00	ug/L	50.0	555	NR	70-130	7.73	20	QM-07
1,3,5-Trimethylbenzene	129	1.00	"	50.0	87.4	83.5	70-130	2.11	20	
Benzene	47.8	1.00	"	50.0	0.860	93.9	70-130	5.97	20	
Ethylbenzene	287	1.00	"	50.0	290	NR	70-130	12.5	20	QM-07
m,p-Xylene	778	2.00	"	100	2430	NR	70-130	33.5	20	QM-07, QR-03
Naphthalene	82.9	4.00	"	50.0	25.0	116	70-130	1.42	20	
o-Xylene	147	1.00	"	50.0	112	70.7	70-130	1.54	20	
Toluene	45.2	1.00	"	50.0	ND	90.3	70-130	8.01	20	
Surrogate: 1,2-Dichloroethane-d4	65		"	62.5		105	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.4	70-130			
Surrogate: 4-Bromofluorobenzene	65		"	62.5		104	70-130			

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Notes and Definitions

U Sample is Non-Detect.

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

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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