TABLE 1
SUMMARY OF VOLATILE ORGANIC SOIL CHEMISTRY DATA
NOBLE ENERGY INC.
HSR FISCHER 6-23, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C024-016

Sample ID	Sample Date	Depth (ft)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-Benzene (mg/kg)	Xylenes (mg/kg)	1,2,4-Trimethyl-Benzene (mg/kg)	1,3,5-Trimethyl-Benzene (mg/kg)	Naphthalene (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)
ECMC Table 915-1 Limits (Residential SSL)			1.2	490	5.8	58	30	27	2	500**		
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.0026	0.69	0.78	9.9	0.0081	0.0087	0.0038	500**		
WC01@4'	1/4/2024	4	*<0.0020*	*<0.0050*	*<0.0050*	*<0.010*	*<0.0050*	*<0.0050*	*<0.0038*	*<0.50*	*<50*	*<50*

Bold faced values exceed the ECMC Table 915-1 concentrations
Red & blue highlighted 915-1 Limits indicate the referenced soil screening level (SSL)
Green highlighted cells indicate soil removed via excavation
* Indicates laboratory minimum detection limit in excess of SSL
** Summation of GRO+DRO+ORO must be less than 500 mg/kg
NA - Not analyzed

TABLE 2

SUMMARY OF GROUNDWATER ELEVATION DATA AND ORGANIC CHEMISTRY DATA

NOBLE ENERGY INC.

HSR FISCHER 6-23, WELD COUNTY, COLORADO

FREMONT PROJECT NO. C024-016

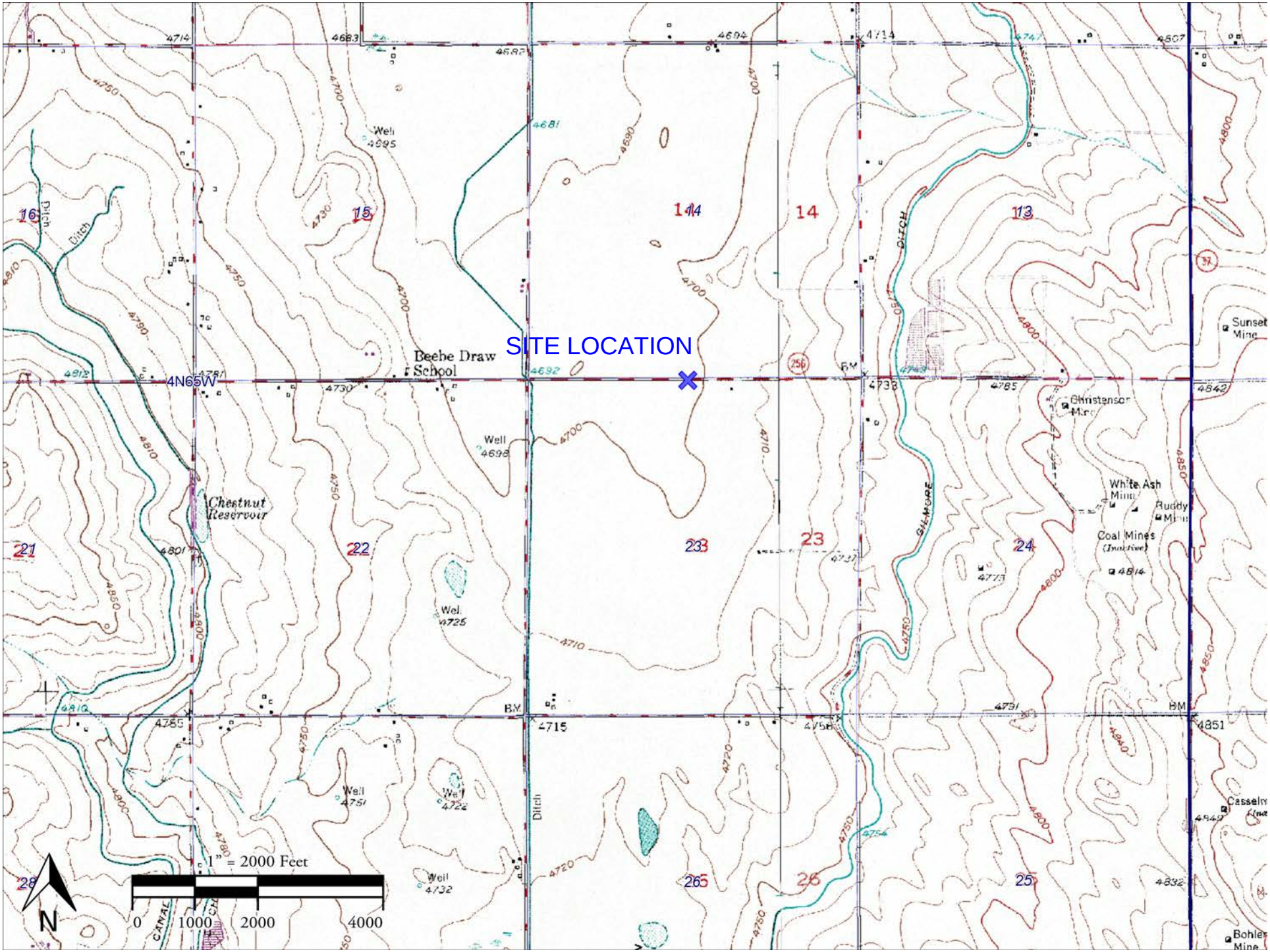
Sample ID	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Xylenes (µg/L)	Naphthalene (µg/L)	1,2,4-Trimethyl-Benzene (µg/L)	1,3,5-Trimethyl-Benzene (µg/L)	TOC Elevation (ft)	Depth to Groundwater (ft)	Groundwater Elevation (ft)	LNAPL Thickness (ft)
ECMC Table 915-1 Limits		5.0	560	700	1400	140	67	67				
WC01@4'	1/4/2024	**190**	*<1.0*	5.8	68	5.8	**94**	57	*NA*	~4	*NA*	*<0.1*

Bold face values exceed the ECMC concentration limits

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

NP - No measurable LNAPL, NA - Not Analyzed, INA - Inaccessible, IW - Insufficient Water, DES - Destroyed

Noble - HSR Fischer 6-23



HSR Fischer 6-23

Facility #: 309888
NWNE Sec. 23, T4N, R65W
40.30500, -104.630639
Fremont No. C024-016

Legend

- Pothole Sample Locations

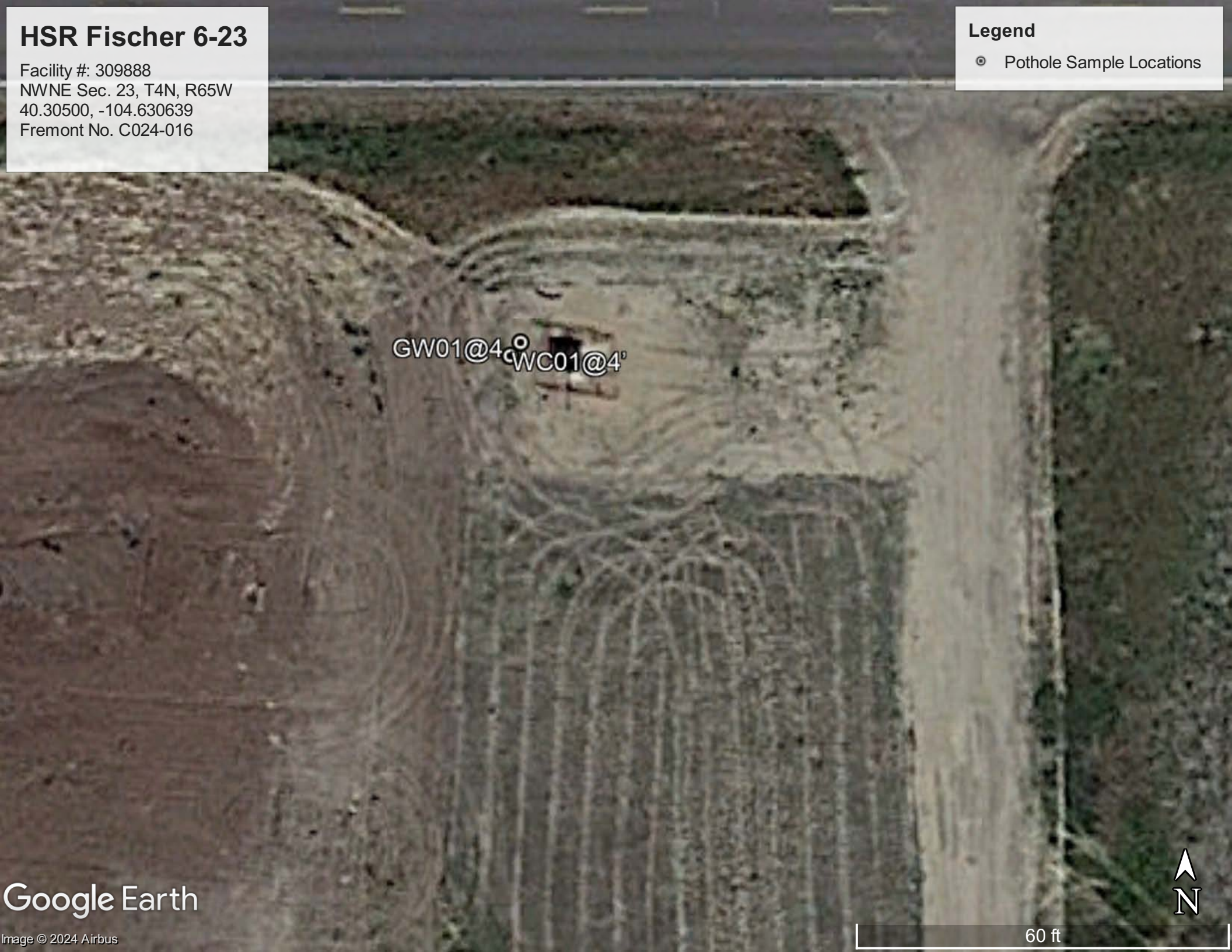


Photo Log

FREMONT ENVIRONMENTAL

Description:

1 - HSR Fischer 6-23 view into flowline pot hole, groundwater present

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

January 22, 2024

Paul Henehan
Fremont Environmental
PO Box 1289
Wellington, CO 80549

RE: Noble - HSR Fischer 6-23
Work Order #2401325

Enclosed are the results of analyses for samples received by Summit Scientific on 01/19/24 16:50. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

DRAFT REPORT
DATA SUBJECT TO CHANGE

Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - HSR Fischer 6-23 Project Number: CO24-016 Project Manager: Paul Henehan	**Reported:** 01/22/24 08:16

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WC01@4'	2401325-01	Soil	01/19/24 00:00	01/19/24 16:50
GW01	2401325-02	Water	01/19/24 00:00	01/19/24 16:50

DRAFT REPORT

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

4653 Table Mountain Drive
Golden, CO 80403
303-277-9310

Lab ID	Page 1 of 1
2401325	

	Send Data To:	Send Invoice To:
Client: Fremont Environmental	Project Manager: Paul Henehan	Company: Noble
Address: 8305 6th Street	E-Mail: Fremont Distribution List	Project Name/Location:
City/State/Zip: Wellington, CO, 80549		AFE#:
Phone: 603-477-6907	Project Name: HSR Fischer 6-23	PO/Billing Codes:
Sampler Name: Aaron Otillar	Project Number: C024-016	Contact: Mike Montoya

				Preservative					Matrix				Analysis Requested								Special Instructions
ID	Sample Description	Date Sampled	Time Sampled	# of containers	HCl	HNO3	None	Other ___	Water	Soil	Air-Canister #	Other ___	BTEXN - 915	TPH (C6-C36)	PAH	TMB's - 915	Metals (915-1)	SAR, EC, pH, Boron	TDS, Cl, SO4		
1	WC01E4'	1/19/24		2			X			X			X	X	X	X	X	X			
2	CW01	1/19/24		4	3		1		X				X			X			X		
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					
13																					
14																					
15																					

Relinquished by:	Date/Time:	Received by:	Date/Time:
[signature]	1/19/24 1650	Summit North Office	1/19/24 1650
Relinquished by:	Date/Time:	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received by:	Date/Time:

TAT Business Days	
Same Day	X
1 Day	
2 Days	
3 Days	
Standard	

Field DO	
Field EC	
Field ORP	
Field pH	
Field Temp.	
Field Turb.	

Notes:
* Send Results Mon Morning

Temperature Upon Receipt: 10.6 | Corrected Temperature: 6 | IR gun #: 1 | HNO3 lot #:

S2

Sample Receipt Checklist

S2 Work Order# 2401325

Client: Fremont Client Project ID: HSR Fischer 6-23

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

[ ] - [ ] [ ] [ ]

Matrix (Check all that apply) Air [ ] Soil/Solid [ ] Water [ ] Other [ ]

Temp (°C) [10.0] Thermometer # [1]

	Yes	No	N/A	Comments (If any)
If samples require cooling, is the temperature < 6°C? (1) NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	–			ON ICE
If custody seals are present, are they intact? (1)	–			
Are samples due within 48 hours present?	–			Same day
Are water samples with short hold times present? Note the short hold analysis in the comments column - pH, Nitrate/Nitrite, Ferrous Iron (Fe^{2+}), Hexavalent Chromium (Cr^{6+}, Cr VI), COD/BOD, Total Coliform, E. Coli, Total Residual Chlorine (TRC), Dissolved Oxygen		–		
Is a chain-of-custody (COC) form present and filled out Completely? (1)	–			no time stamps
Is the COC properly relinquished by the client w/ date and time recorded? (1)	–			
Were all samples received intact? (1)	✓			
Was adequate sample volume provided? (1)	✓			
Does the COC agree with the number and type of sample bottles received? (1)	✓			
Do the sample IDs on the bottle labels match the COC? (1)	✓			
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.		✓		
Are samples preserved that require preservation (excluding cooling)? (1) Note the type of preservative in the comments column – HCl, H_2SO_4, NaOH, HNO_3, etc.	✓			HCl
If samples are acid preserved for metals, is the pH ≤ 2? (1) Record the pH in Comments.			✓	
If dissolved metals are requested, were samples field filtered?			✓	
Additional Comments (if any):				
(1) If NO, then contact the client before proceeding with analysis and note in case narrative.				

AS — Custodian Printed Name

1/19/24 — Date/Time

Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - HSR Fischer 6-23 Project Number: CO24-016 Project Manager: Paul Henehan	**Reported:** 01/22/24 08:16

WC01@4'

2401325-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/19/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BHA0701	01/19/24	01/20/24	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **01/19/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0404	*101 %*	*50-150*		"	"	"	"	
Surrogate: Toluene-d8	0.0402	*101 %*	*50-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0408	*102 %*	*50-150*		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/19/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BHA0700	01/19/24	01/20/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **01/19/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	4.61	*36.9 %*	*30-150*		"	"	"	"	

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 - HSR Fischer 6-23 Project Number: CO24-016 Project Manager: Paul Henehan	**Reported:** 01/22/24 08:16

GW01

2401325-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/19/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	**190**	1.0	ug/l	1	BHA0693	01/19/24	01/19/24	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	**5.8**	1.0	"	"	"	"	"	"	
Xylenes (total)	**68**	2.0	"	"	"	"	"	"	
Naphthalene	**5.8**	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**94**	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**57**	1.0	"	"	"	"	"	"	

Date Sampled: **01/19/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	13.4	*101 %*	*23-173*		"	"	"	"	
Surrogate: Toluene-d8	13.4	*100 %*	*20-170*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	14.7	*110 %*	*21-167*		"	"	"	"	

Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - HSR Fischer 6-23 Project Number: CO24-016 Project Manager: Paul Henehan	**Reported:** 01/22/24 08:16

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BHA0693 - EPA 5030 Water MS										
Blank (BHA0693-BLK1)				Prepared & Analyzed: 01/19/24						
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	*12.7*		*"*	*13.3*		*95.4*	*23-173*			
Surrogate: Toluene-d8	*13.4*		*"*	*13.3*		*101*	*20-170*			
Surrogate: 4-Bromofluorobenzene	*13.7*		*"*	*13.3*		*103*	*21-167*			
LCS (BHA0693-BS1)				Prepared & Analyzed: 01/19/24						
Benzene	43.2	1.0	ug/l	33.3		130	51-132			
Toluene	42.3	1.0	"	33.3		127	51-138			
Ethylbenzene	38.5	1.0	"	33.3		116	58-146			
m,p-Xylene	77.6	2.0	"	66.7		116	57-144			
o-Xylene	39.8	1.0	"	33.3		119	53-146			
Naphthalene	34.2	1.0	"	33.3		103	70-130			
1,2,4-Trimethylbenzene	39.0	1.0	"	33.3		117	70-130			
1,3,5-Trimethylbenzene	38.4	1.0	"	33.3		115	70-130			
Surrogate: 1,2-Dichloroethane-d4	*13.1*		*"*	*13.3*		*98.2*	*23-173*			
Surrogate: Toluene-d8	*13.7*		*"*	*13.3*		*103*	*20-170*			
Surrogate: 4-Bromofluorobenzene	*13.5*		*"*	*13.3*		*101*	*21-167*			
Matrix Spike (BHA0693-MS1)	**Source: 2401271-04**			Prepared & Analyzed: 01/19/24						
Benzene	42.4	1.0	ug/l	33.3	ND	127	34-141			
Toluene	41.1	1.0	"	33.3	ND	123	27-151			
Ethylbenzene	37.5	1.0	"	33.3	ND	113	29-160			
m,p-Xylene	75.2	2.0	"	66.7	ND	113	20-166			
o-Xylene	38.7	1.0	"	33.3	ND	116	33-159			
Naphthalene	37.0	1.0	"	33.3	ND	111	70-130			
1,2,4-Trimethylbenzene	38.1	1.0	"	33.3	ND	114	70-130			
1,3,5-Trimethylbenzene	36.7	1.0	"	33.3	ND	110	70-130			
Surrogate: 1,2-Dichloroethane-d4	*13.2*		*"*	*13.3*		*98.8*	*23-173*			
Surrogate: Toluene-d8	*13.5*		*"*	*13.3*		*101*	*20-170*			
Surrogate: 4-Bromofluorobenzene	*13.9*		*"*	*13.3*		*104*	*21-167*			

DRAFT REPORT

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Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - HSR Fischer 6-23 Project Number: CO24-016 Project Manager: Paul Henehan	**Reported:** 01/22/24 08:16

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BHA0693 - EPA 5030 Water MS										
Matrix Spike Dup (BHA0693-MSD1)	**Source: 2401271-04**			Prepared & Analyzed: 01/19/24						
Benzene	43.5	1.0	ug/l	33.3	ND	131	34-141	2.72	30	
Toluene	43.7	1.0	"	33.3	ND	131	27-151	6.23	30	
Ethylbenzene	38.5	1.0	"	33.3	ND	116	29-160	2.63	30	
m,p-Xylene	76.7	2.0	"	66.7	ND	115	20-166	1.88	30	
o-Xylene	40.2	1.0	"	33.3	ND	121	33-159	3.95	30	
Naphthalene	38.1	1.0	"	33.3	ND	114	70-130	3.01	30	
1,2,4-Trimethylbenzene	39.4	1.0	"	33.3	ND	118	70-130	3.40	30	
1,3,5-Trimethylbenzene	37.8	1.0	"	33.3	ND	113	70-130	2.87	30	
Surrogate: 1,2-Dichloroethane-d4	*13.6*		*"*	*13.3*		*102*	*23-173*			
Surrogate: Toluene-d8	*13.8*		*"*	*13.3*		*103*	*20-170*			
Surrogate: 4-Bromofluorobenzene	*13.6*		*"*	*13.3*		*102*	*21-167*			
Batch BHA0701 - EPA 5030 Soil MS										
Blank (BHA0701-BLK1)				Prepared: 01/19/24 Analyzed: 01/20/24						
Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
1,2,4-Trimethylbenzene	ND	0.0050	"							
1,3,5-Trimethylbenzene	ND	0.0050	"							
Naphthalene	ND	0.0038	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	*0.0406*		*"*	*0.0400*		*101*	*50-150*			
Surrogate: Toluene-d8	*0.0407*		*"*	*0.0400*		*102*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0419*		*"*	*0.0400*		*105*	*50-150*			

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Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BHA0701 - EPA 5030 Soil MS										
LCS (BHA0701-BS1)				Prepared: 01/19/24 Analyzed: 01/20/24						
Benzene	0.101	0.0020	mg/kg	0.100		101	70-130			
Toluene	0.0997	0.0050	"	0.100		99.7	70-130			
Ethylbenzene	0.0862	0.0050	"	0.100		86.2	70-130			
m,p-Xylene	0.177	0.010	"	0.200		88.5	70-130			
o-Xylene	0.0947	0.0050	"	0.100		94.7	70-130			
1,2,4-Trimethylbenzene	0.0952	0.0050	"	0.100		95.2	70-130			
1,3,5-Trimethylbenzene	0.0909	0.0050	"	0.100		90.9	70-130			
Naphthalene	0.125	0.0038	"	0.100		125	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0380*		*"*	*0.0400*		*95.1*	*50-150*			
Surrogate: Toluene-d8	*0.0412*		*"*	*0.0400*		*103*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0399*		*"*	*0.0400*		*99.8*	*50-150*			
Matrix Spike (BHA0701-MS1)		**Source: 2401324-01**		Prepared: 01/19/24 Analyzed: 01/20/24						
Benzene	0.123	0.0020	mg/kg	0.100	0.0148	108	70-130			
Toluene	0.173	0.0050	"	0.100	0.0652	108	70-130			
Ethylbenzene	0.0923	0.0050	"	0.100	ND	92.3	70-130			
m,p-Xylene	0.278	0.010	"	0.200	0.107	85.6	70-130			
o-Xylene	0.116	0.0050	"	0.100	0.0229	93.2	70-130			
1,2,4-Trimethylbenzene	0.132	0.0050	"	0.100	0.0462	85.9	70-130			
1,3,5-Trimethylbenzene	0.114	0.0050	"	0.100	0.0302	83.9	70-130			
Naphthalene	0.119	0.0038	"	0.100	ND	119	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0427*		*"*	*0.0400*		*107*	*50-150*			
Surrogate: Toluene-d8	*0.0421*		*"*	*0.0400*		*105*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0426*		*"*	*0.0400*		*106*	*50-150*			
Matrix Spike Dup (BHA0701-MSD1)		**Source: 2401324-01**		Prepared: 01/19/24 Analyzed: 01/20/24						
Benzene	0.117	0.0020	mg/kg	0.100	0.0148	103	70-130	4.43	30	
Toluene	0.150	0.0050	"	0.100	0.0652	84.9	70-130	14.1	30	
Ethylbenzene	0.0892	0.0050	"	0.100	ND	89.2	70-130	3.44	30	
m,p-Xylene	0.248	0.010	"	0.200	0.107	70.5	70-130	11.4	30	
o-Xylene	0.108	0.0050	"	0.100	0.0229	84.8	70-130	7.51	30	
1,2,4-Trimethylbenzene	0.123	0.0050	"	0.100	0.0462	76.7	70-130	7.22	30	
1,3,5-Trimethylbenzene	0.109	0.0050	"	0.100	0.0302	78.4	70-130	4.91	30	
Naphthalene	0.113	0.0038	"	0.100	ND	113	70-130	5.59	30	
Surrogate: 1,2-Dichloroethane-d4	*0.0410*		*"*	*0.0400*		*103*	*50-150*			
Surrogate: Toluene-d8	*0.0415*		*"*	*0.0400*		*104*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0423*		*"*	*0.0400*		*106*	*50-150*			

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Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - HSR Fischer 6-23 Project Number: CO24-016 Project Manager: Paul Henehan	**Reported:** 01/22/24 08:16

Extractable Petroleum Hydrocarbons by 8015 - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BHA0700 - EPA 3550A										
Blank (BHA0700-BLK1)				Prepared: 01/19/24 Analyzed: 01/20/24						
C10-C28 (DRO)	ND	50	mg/kg							
C28-C36 (ORO)	ND	50	"							
Surrogate: o-Terphenyl	*11.5*		*"*	*12.5*		*91.7*	*30-150*			
LCS (BHA0700-BS1)				Prepared: 01/19/24 Analyzed: 01/20/24						
C10-C28 (DRO)	518	50	mg/kg	500		104	70-130			
Surrogate: o-Terphenyl	*9.71*		*"*	*12.5*		*77.7*	*30-150*			
Matrix Spike (BHA0700-MS1)	**Source: 2401324-01**			Prepared: 01/19/24 Analyzed: 01/20/24						
C10-C28 (DRO)	486	50	mg/kg	500	19.9	93.1	70-130			
Surrogate: o-Terphenyl	*8.21*		*"*	*12.5*		*65.7*	*30-150*			
Matrix Spike Dup (BHA0700-MSD1)	**Source: 2401324-01**			Prepared: 01/19/24 Analyzed: 01/20/24						
C10-C28 (DRO)	513	50	mg/kg	500	19.9	98.6	70-130	5.43	20	
Surrogate: o-Terphenyl	*8.91*		*"*	*12.5*		*71.3*	*30-150*			

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 - HSR Fischer 6-23 Project Number: CO24-016 Project Manager: Paul Henehan	**Reported:** 01/22/24 08:16

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