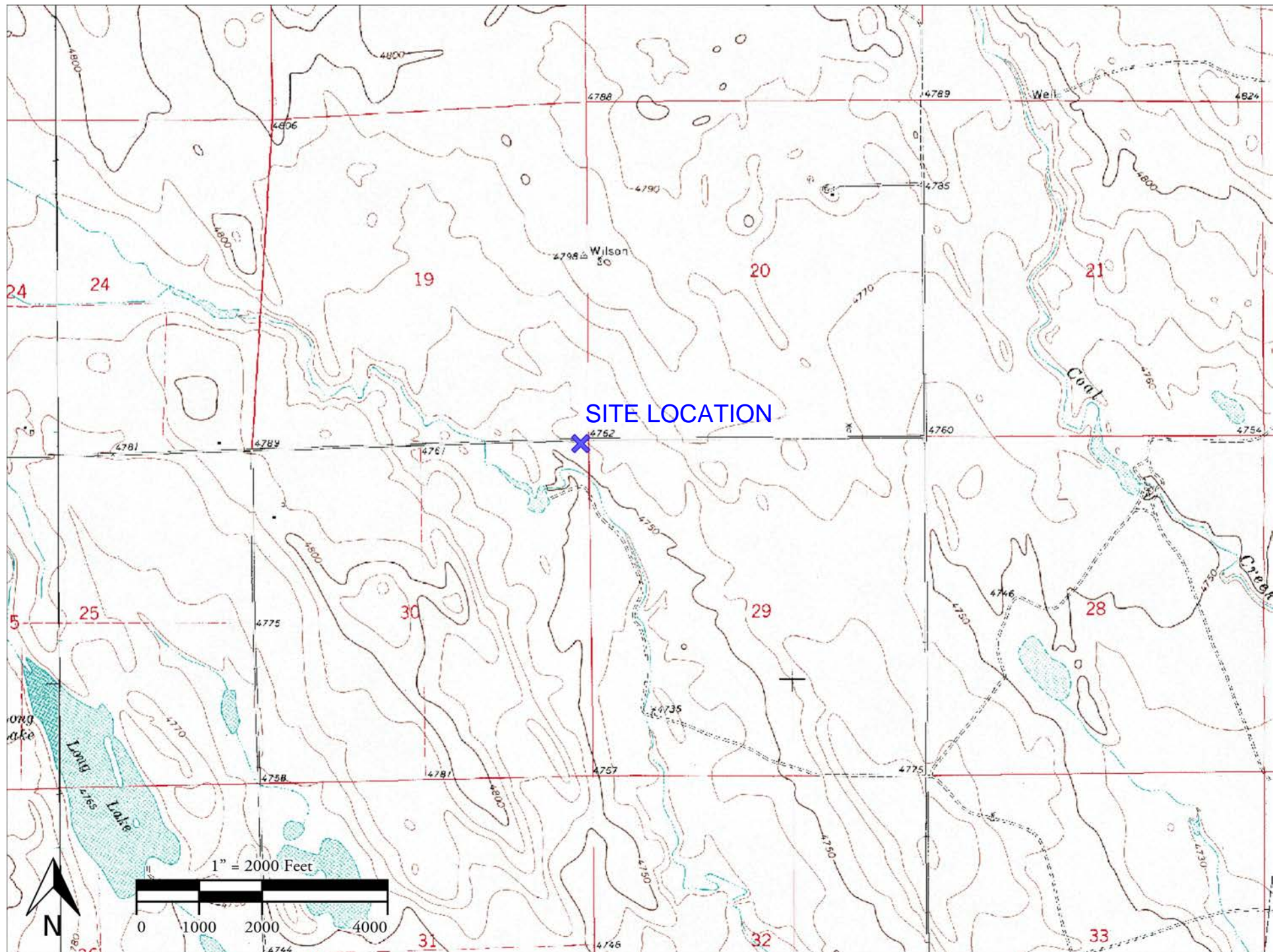


Noble - Grigsby AC19-62HN Tank Battery, Fac. # 427074



Grigsby AC19-62HN

NENE Sec. 30, T7N, R 63W
Fac. ID # 427074
40.551843 -104.470751
Spill # 486087

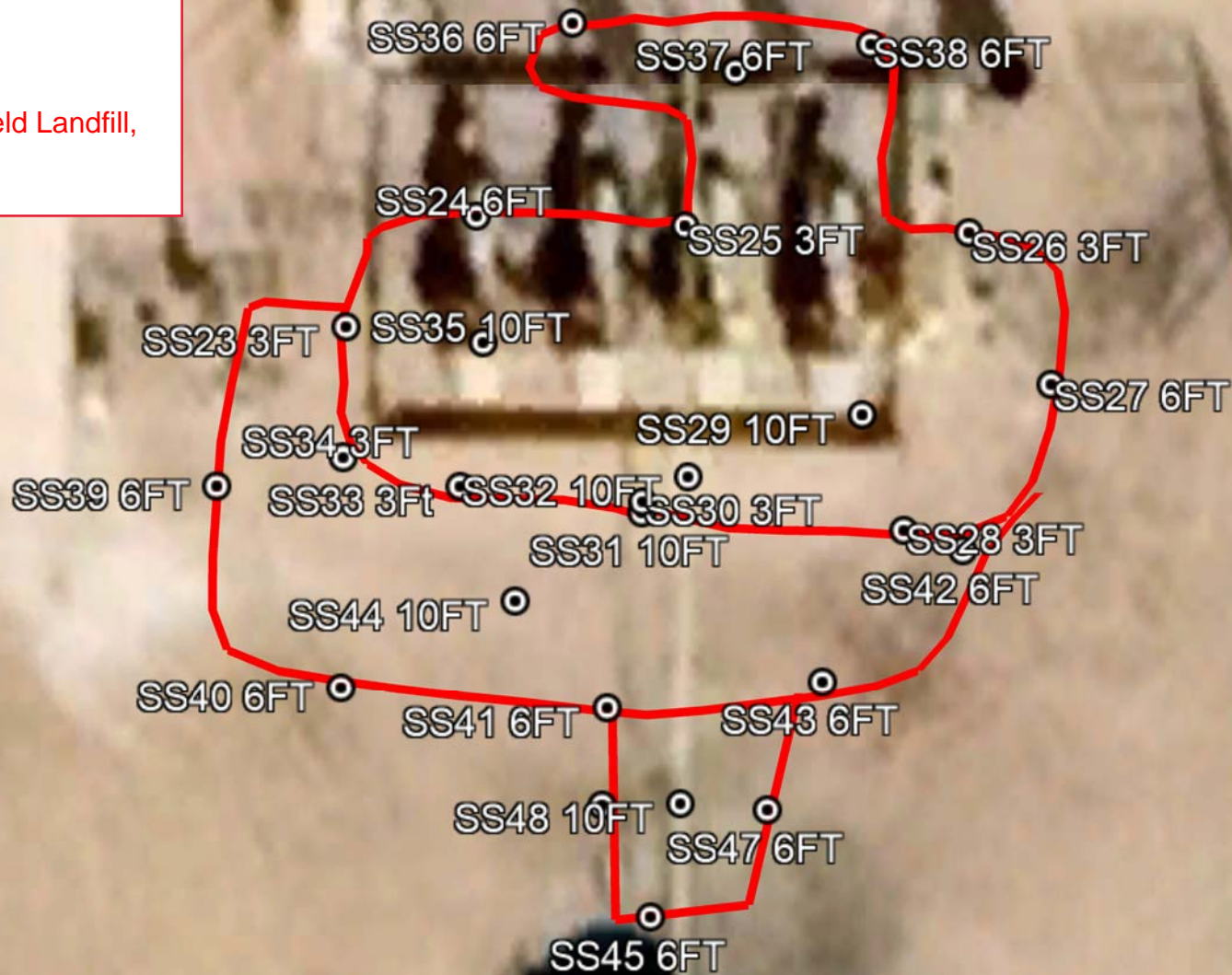
Legend

⊙ Soil Sample Locations

Excavation Total

~1,142 cubic yards

Transported to N. Weld Landfill,
Ault, CO



FIELD DATA SUMMARY TABLE
NOBLE 100322
GRIGSBY AC19-62HN, WELD COUNTY, COLORADO
SPILL ID # 486087

Sample ID	Sample Date	Depth	GPS Data Latitude/Longitude		PDOP Value	VOC Concentration (ppm)
Sep. Cab.	1/31/2024	Grab	40.551837	-104.4707335	-	248.6
SS-01 6 Ft	1/31/2024	6	40.551798	-104.4707534	-	37.7
SS-02 6 Ft	1/31/2024	6	40.551817	-104.4707404	-	1.8
SS-03 6 Ft	1/31/2024	6	40.551815	-104.4707511	-	65.2
SS-04	1/31/2024	Multi	40.551840	-104.4707180	-	NA
SS-05	1/31/2024	Multi	40.551865	-104.4707238	-	NA
SS-06	1/31/2024	Multi	40.551862	-104.4707113	-	1.8
SS-07 6 Ft	1/31/2024	6	40.551846	-104.4706747	-	0.7
SS-08 6.5 Ft	1/31/2024	6.5	40.551862	-104.4706596	-	0.2
SS-09	1/31/2024	Multi	40.551868	-104.4707618	-	80.5
SS-10	1/31/2024	Multi	40.551859	-104.4707483	-	NA
SS-11	1/31/2024	Multi	40.551856	-104.4707664	-	NA
SS-12	1/31/2024	Multi	40.551840	-104.4707928	-	NA
SS-13	1/31/2024	Multi	40.551841	-104.4708310	-	NA
SS-14 6 Ft	1/31/2024	6	40.551850	-104.4708490	-	90.1
SS23 3FT	4/4/2024	3	40.551856	-104.4708647	-	14.2
SS24 6FT	4/4/2024	6	40.551874	-104.4708254	-	3.1
SS25 3FT	4/4/2024	3	40.551879	-104.4707640	-	8.1
SS26 3FT	4/4/2024	3	40.551877	-104.4706800	-	3.8
SS27 6FT	4/4/2024	6	40.551843	-104.4706554	-	5.7
SS28 3FT	4/4/2024	3	40.551810	-104.4706990	-	5.3
SS29 10FT	4/4/2024	10	40.551836	-104.4707114	-	10.3
SS30 3FT	4/4/2024	3	40.551817	-104.4707767	-	302
SS31 10FT	4/4/2024	10	40.551814	-104.4707769	-	3.2
SS32 10FT	4/4/2024	10	40.551823	-104.4707631	-	NA

Sample ID	Sample Date	Depth	GPS Data		PDOP Value	VOC Concentration (ppm)
			Latitude/Longitude			
SS33 3Ft	4/4/2024	3	40.551820	-104.4708310	-	586
SS34 3FT	4/4/2024	3	40.551827	-104.4708657	-	190
SS35 10FT	4/4/2024	10	40.551853	-104.4708240	-	1.4
SS36 6FT	4/4/2024	6	40.551925	-104.4707974	-	NA
SS37 6FT	4/4/2024	6	40.551924	-104.4707641	-	NA
SS38 6FT	4/4/2024	6	40.551920	-104.4707093	-	NA
SS39 6FT	4/10/2024	6	40.551820	-104.4709034	-	3.4
SS40 6FT	4/10/2024	6	40.551774	-104.4708668	-	NA
SS41 6FT	4/10/2024	6	40.551770	-104.4707873	-	NA
SS42 6FT	4/10/2024	6	40.551806	-104.4706815	-	7.4
SS43 6FT	4/10/2024	6	40.551776	-104.4707231	-	NA
SS44 10FT	4/11/2024	10	40.551794	-104.4708147	-	4.7
SS45 6FT	4/11/2024	6	40.551722	-104.4707744	-	3.4
SS46 6FT	4/11/2024	6	40.551748	-104.4707888	-	NA
SS47 6FT	4/11/2024	6	40.551747	-104.4707394	-	NA
SS48 10FT	4/11/2024	10	40.551748	-104.4707654	-	3.7

1. Global Positioning System (GPS) data is provided in decimal degrees using North American Datum (NAD) 83 UTMZone 13 North.

2. Volatile organic compound (VOC) concentrations are measured in the field using a photoionization detector (PID).

PDOP = Position Dilution of Precision

ppm = Parts per million

in. = Inches

ft. = Feet

bgs = Below ground surface

TABLE 1
SUMMARY OF VOLATILE ORGANIC SOIL CHEMISTRY DATA
NOBLE ENERGY INC.
GRIGSBY AC19-62HN, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C024-022

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**		
Waste Char.	1/29/2024	Grab	210	500	200	710	270	40	46	15000	18000	10000
SS-01 6 Ft	1/31/2024	6	0.012	<0.0050	<0.0050	0.016	0.017	0.011	0.0079	0.54	<50	<50
SS-06 6 Ft	1/31/2024	6	<0.002	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50
SS-07 6 Ft	1/31/2024	6	<0.002	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50
SS-09 6 Ft	1/31/2024	6	0.016	0.014	<0.0050	0.037	0.018	<0.0050	0.0087	0.52	<50	<50
SS-14 6 Ft	1/31/2024	6	0.0092	0.016	0.015	0.060	0.024	0.012	0.012	0.67	<50	<50
SS-19 4 Ft	2/2/2024	4	<0.002	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	0.89	<50	<50
SS-22 4 Ft	2/2/2024	4	<0.002	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50
SS-23 6FT	04/04/2024	6	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50
SS-24 6FT	04/04/2024	6	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50
SS-25 6FT	04/04/2024	6	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50
SS-26 6FT	04/04/2024	6	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50
SS-27 6FT	04/04/2024	6	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50
SS-28 6FT	04/04/2024	6	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50
SS-29 10FT	04/04/2024	10	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50
SS-30 6FT	04/04/2024	6	0.036	0.02	0.03	0.07	0.094	0.02	0.04	3.3	<50	<50
SS-32 10FT	04/04/2024	10	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50
SS-33 6FT	04/04/2024	6	3.300	0.12	9.50	7.00	17.000	4.70	0.63	1500	6600	1500
SS-34 6FT	04/04/2024	6	<0.0020	<0.0050	0.02	<0.010	0.057	<0.0050	<0.0038	2.2	230	67
SS-35 10FT	04/04/2024	10	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50
SS-36 6FT	04/04/2024	6	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50
SS-37 6FT	04/04/2024	6	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50
SS-38 6FT	04/04/2024	6	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50
SS39 6FT	04/10/2024	6	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50
SS40 6FT	04/10/2024	6	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50
SS41 6FT	04/10/2024	6	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50
SS42 6FT	04/10/2024	6	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50
SS43 6FT	04/10/2024	6	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50

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**		
SS44 6FT	04/11/2024	6	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50
SS45 6FT	04/11/2024	6	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50
SS46 6FT	04/11/2024	6	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50
SS47 6FT	04/11/2024	6	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50
SS48 10FT	04/11/2024	10	<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 POLYCYCLIC AROMATIC HYDROCARBON SOIL CHEMISTRY DATA
NOBLE ENERGY INC.
GRIGSBY AC19-62HN, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C024-022

Sample ID	Sample Date	Depth (ft)	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benzo (a) Anthracene (mg/kg)	Benzo (a) Pyrene (mg/kg)	Benzo (b) Fluoranthene (mg/kg)	Benzo (k) Fluoranthene (mg/kg)	Chrysene (mg/kg)	Dibenzo (a,h) Anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Indeno (1,2,3- cd) Pyrene (mg/kg)	Pyrene (mg/kg)	1-Methyl - Naphthalene (mg/kg)	2-Methyl- Naphthalene (mg/kg)
ECMC Table 915-1 Limits (Residential SSL)			360	1800	1.1	0.11	1.1	11	110	0.11	240	240	1.1	180	18	24
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.55	5.8	0.011	0.24	0.3	2.9	9	0.096	8.9	0.54	0.98	1.3	0.006	0.019
Waste Char.	1/29/2024	Grab	3.990	2.160	2.850	<0.500	<0.500	<0.500	2.69	<0.500	0.904	16.4	<0.500	1.500	195	252
SS-01 6 Ft	1/31/2024	6	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
SS-06 6 Ft	1/31/2024	6	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
SS-07 6 Ft	1/31/2024	6	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
SS-09 6 Ft	1/31/2024	6	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
SS-14 6 Ft	1/31/2024	6	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00544	0.00684
SS-19 4 Ft	2/2/2024	4	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
SS-22 4 Ft	2/2/2024	4	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500

Bold faced values exceed the ECMC Table 915-1 concentrations
Red & blue highlighted 915-1 Limits indicate the referenced soil screening level (SSL)
* Indicates laboratory minimum detection limit in excess of SSL
NA - Not analyzed
Green highlighted cells indicate soil removed via excavation

TABLE 3
SUMMARY OF SOIL SUITABILITY FOR RECLAMATION
NOBLE ENERGY INC.
GRIGSBY AC19-62HN, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C024-022

Sample ID	Sample Date	Depth (ft)	pH	EC (mmhos/cm)	SAR	Boron (mg/L)
ECMC Table 915-1 Soil Suitability Limits			6 - 8.3	<4	<6	2
Max. Background Concentration (or Concentration Range)						
Waste Char.	01/29/2024	Grab	7.71	0.343	1.14	<2.00
SS-01 6 Ft	1/31/2024	6	8.83	1.52	13.4	<2.00
SS-06 6 Ft	1/31/2024	6	8.64	4.62	9.08	<2.00
SS-07 6 Ft	1/31/2024	6	8.79	0.942	7.81	<2.00
SS-09 6 Ft	1/31/2024	6	9.76	1.65	20.8	<2.00
SS-14 6 Ft	1/31/2024	6	8.94	3.52	15.1	<2.00
SS-19 4 Ft	2/2/2024	4	8.23	0.938	5.9	<2.00
SS-22 4 Ft	2/2/2024	4	9.14	1.09	13.5	<2.00

Bold faced, yellow highlighted values exceed the ECMC Table 915-1 concentrations

Green highlighted cells indicate soil removed via excavation

Orange highlighted cells exceed of the maximum background concentration, or concentration range

Yellow highlighted 915-1 Limits indicate the referenced soil screening level (SSL)

NA - Not analyzed

TABLE 4
SUMMARY OF METALS IN SOIL CHEMISTRY DATA
NOBLE ENERGY INC.
GRIGSBY AC19-62HN, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C024-022

Sample ID	Sample Date	Depth (ft)	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (VI) (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
ECMC Table 915-1 Limits (Residential SSL)			0.68	15000	71	0.3	3100	400	1500	390	390	23000
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
125% Max. Background Concentration			-	-	-	-	-	-	-	-	-	-
Waste Char.	01/29/2024	Grab	1.78	30.5	<0.200	<0.30	3.09	2.97	2.4	<0.260	<0.0200	8.74
SS-01 6 Ft	1/31/2024	6	1.72	17.9	0.25	<0.30	10.1	15.1	5.2	<0.260	0.0509	28.7
SS-06 6 Ft	1/31/2024	6	3.22	10.3	0.23	<0.30	10.1	13.9	5.51	<0.260	0.0412	32.7
SS-07 6 Ft	1/31/2024	6	4.2	13.1	0.26	<0.30	7.39	9.17	7.87	<0.260	0.0345	44.9
SS-09 6 Ft	1/31/2024	6	5.3	23.8	0.33	<0.30	12	15.1	8.66	<0.260	0.0521	49.1
SS-14 6 Ft	1/31/2024	6	3.74	19	0.28	<0.30	9.33	12.4	7.38	<0.260	0.0437	37.8
SS-19 4 Ft	2/2/2024	4	2.02	13.6	0.205	<0.30	8.89	14	4.17	<0.260	0.0603	24.6
SS-22 4 Ft	2/2/2024	4	5.5	33.7	0.298	<0.30	8.59	14.5	5.26	<0.260	0.0502	28.5

Bold faced values exceed the ECMC Table 915-1 concentrations

Red & blue highlighted 915-1 Limits indicate the referenced soil screening level (SSL)

Orange highlighted cells exceed 125% of the maximum background concentration

* Indicates laboratory minimum detection limit in excess of SSL

Green highlighted cells indicate soil removed via excavation

NA - Not analyzed

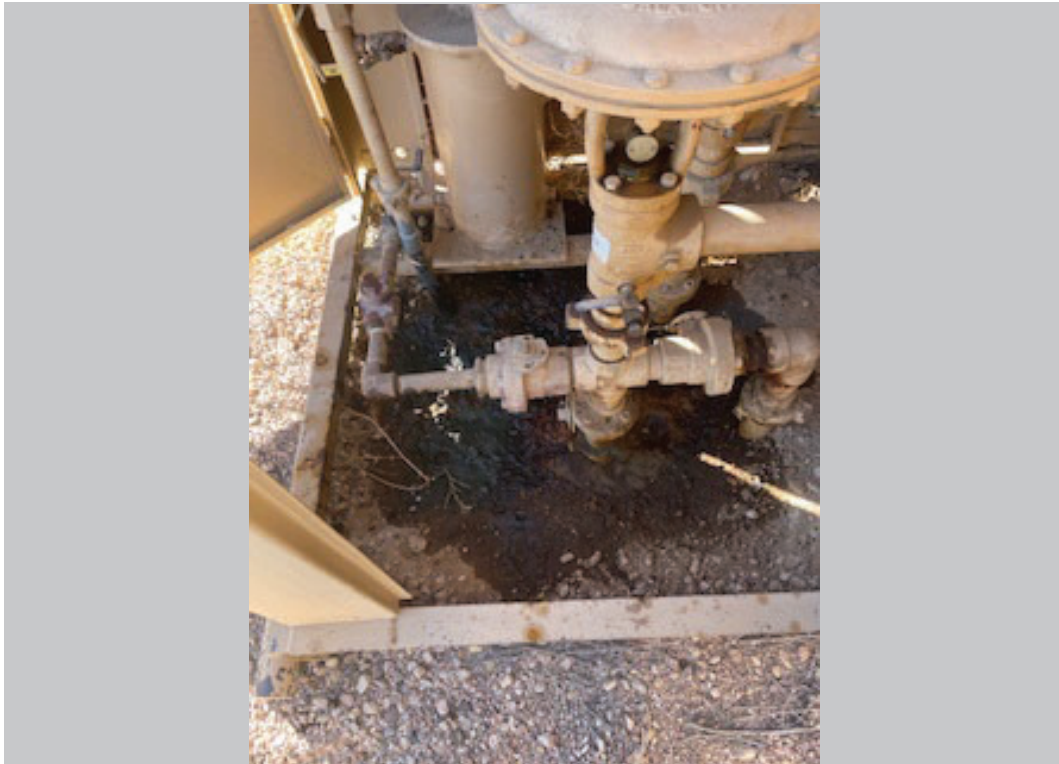
Photo Log



Description:

1 - Grigsby 30-73 HN separator labeled on door of sep. where release occurred

Photo Log



Description:

2 - Grigsby 30-73 HN separator standing oil and staining contained within sep. cabinet, view from east door

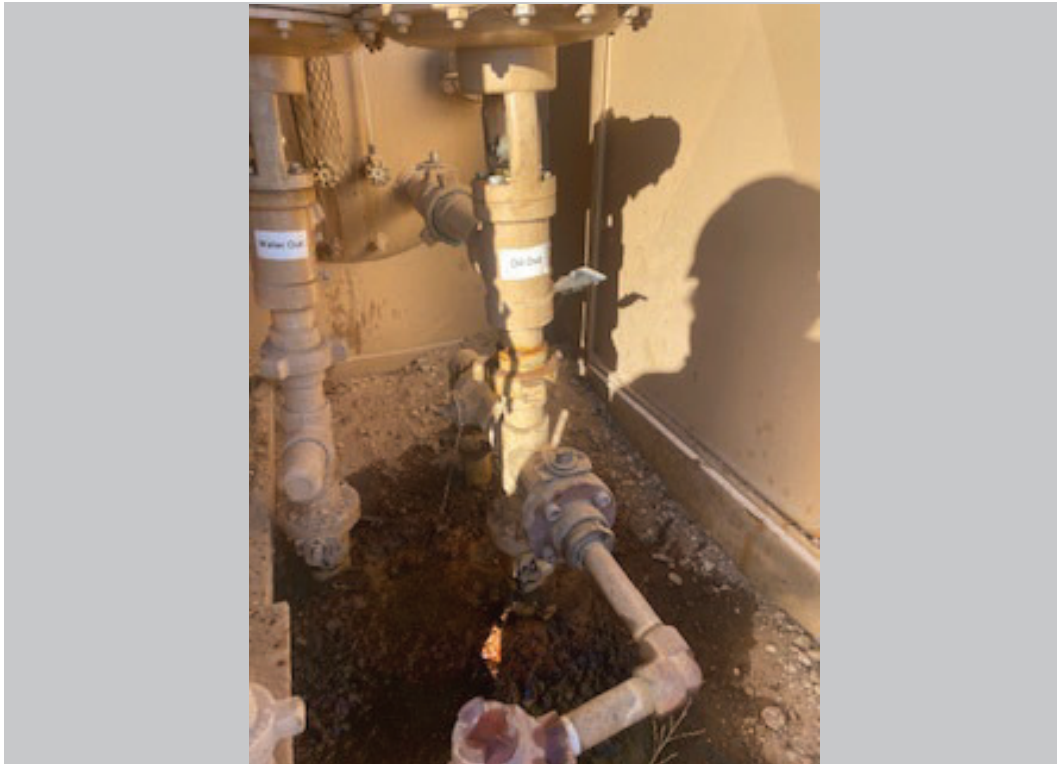
Photo Log



Description:

3 - Grigsby 30-73 HN separator release, view inside the cabinet from the south door

Photo Log



Description:

4 - Grigsby 30-73 HN separator release from oil side dumpline

Photo Log



Description:

1 - Grigsby AC19-62HN separator release excavation , looking E

Photo Log



Description:

2 - Grigsby AC19-62HN separator release excavation , looking W

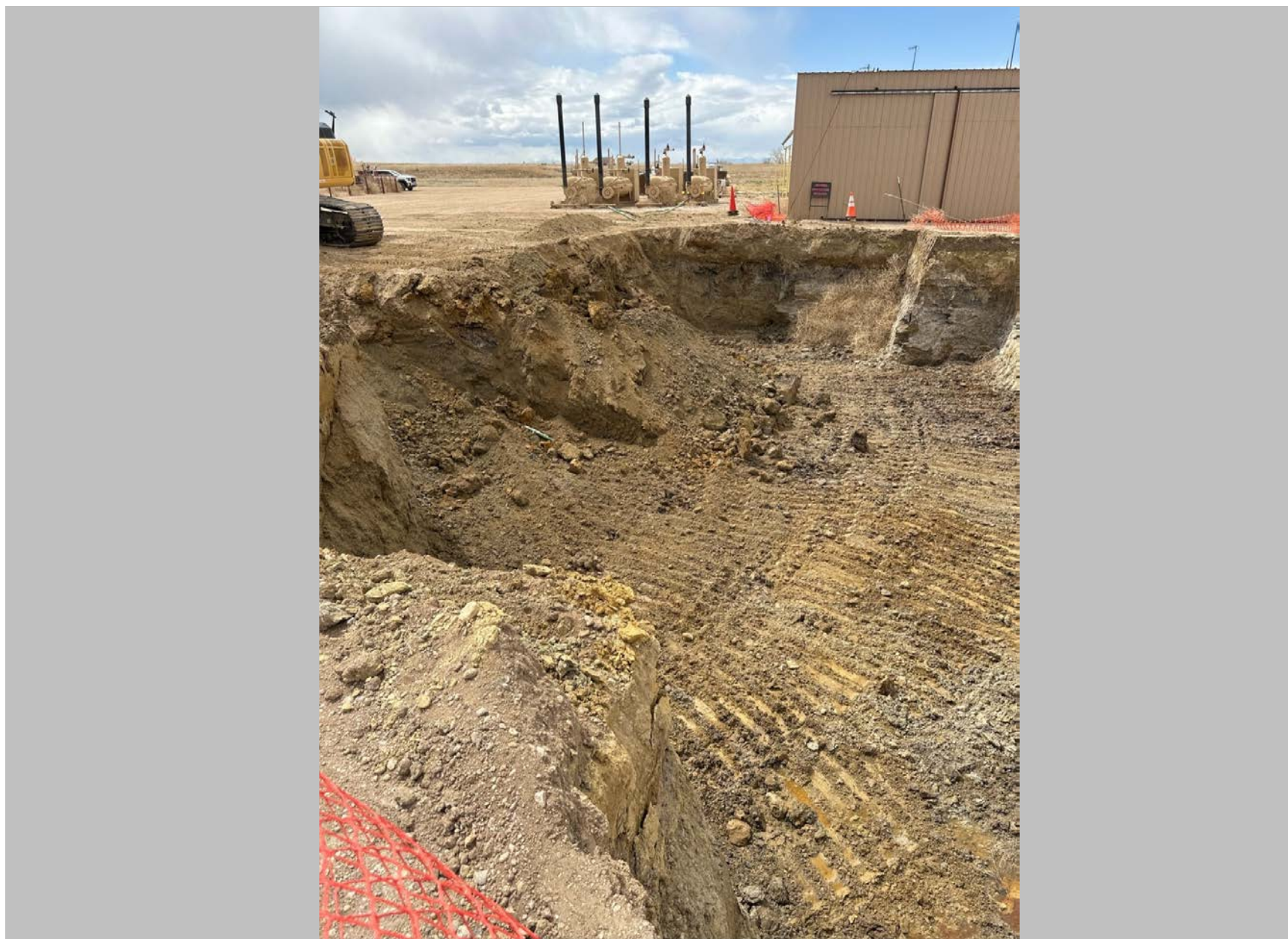
Photo Log



Description:

3 - Grigsby AC19-62HN separator release excavation , looking SE

Photo Log



Description:

4- Grigsby AC19-62HN separator release excavation, looking SE toward initial release location (center)



Description:

5 - Grigsby AC19-62HN separator release excavation, looking E with fmr. sep. locations in view

Photo Log



Description:

6 - Grigsby AC19-62HN separator release excavation , looking N along dumpline trench, rainwater pooling in the excavation floor from previous night



Description:

7 - Grigsby AC19-62HN separator release main excavation, looking N, rainwater pooling in the excavation floor from previous night



Description:

8 - Grigsby AC19-62HN separator release excavation , looking NE, rainwater pooling in the excavation floor from previous night

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

February 08, 2024

Paul Henchan

Fremont Environmental

PO Box 1289

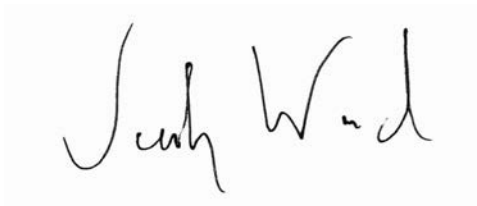
Wellington, CO 80549

RE: Noble - Grigsby AC 19-62HN TB

Work Order #2402041

Enclosed are the results of analyses for samples received by Summit Scientific on 02/02/24 16:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Jacob Wood". The signature is written in a cursive, flowing style.

Jacob Wood For Paul Shrewsbury

President



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN TB

Project Number: [none]
Project Manager: Paul Henehan

Reported:
02/08/24 13:57

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-19 4FT	2402041-01	Soil	02/02/24 00:00	02/02/24 16:30
SS-22 4FT	2402041-02	Soil	02/02/24 00:00	02/02/24 16:30

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

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

Lab ID

Page 1 of 1

2402041

Client: Fremont Environmental, Inc.		Project Manager: Henahan		Send Data To:		Send Invoice To:	
Address: 8305 6th St.,		E-Mail: (Chevron Dist. List) POC Dist. List, Civitas Dist. List		Company: Chevron		Project Name/Location:	
City/State/Zip: Wellington, CO, 80549		Fremont Dist. List (@fremontenv.com) paulh@ethanB, paulh@ethanB, paulh@ethanB, paulh@ethanB, paulh@ethanB		AFEN:		PO/Billing Codes:	
Phone: 603-477-6907		Project Name: Noble - Grigsby AC19-621HN DB		Contact: Dean P.			
Sampler Name: Ethan 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	BTX, BTEX, TMBs	TPH (C8-C36)	PAH	SAR, EC, pH, Boron	Metals (Table 915-1)	TDS, Chloride, Sulfate	
1	SS-19 4FT	2/2/24		X			X			X				X	X	X	X		
2	SS-22 4FT	2/2/24		X			X			X				X	X	X	X		
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			

Relinquished by: Ethan Black	Date/Time: 2/2/24 1401	Received by: S2 - North Office	Date/Time: 2/2/24 1401	TAT Business Days	Field DO	Notes: Send data Monday AM please
Relinquished by: S2	Date/Time: 2/2/24 1630	Received by: [Signature]	Date/Time: 2/2/24 1600	Same Day <input checked="" type="checkbox"/>	Field EC	
				1 Day	Field ORP	
				2 Days	Field pH	
				3 Days	Field Temp.	
				Standard	Field Turb.	
Temperature Upon Receipt: 9.2	Corrected Temperature: 9	IR gun #:	HNO3 lot #:			

S₂

Sample Receipt Checklist

S2 Work Order# _____

Client: Fremont Client Project ID: Noble-Grigsby Acl9-62 HNTBShipped Via: H.D./P.U./FedEx/UPS/USPS/Other ☐ Airbill #: _____
☐ ☐ ☐ ☐ ☐
Matrix (Check all that apply) Air ☐ Sol/Solid ☒ Water ☐ Other ☐Temp (°C) 9.2Thermometer # 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.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	outside
If custody seals are present, are they intact? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are samples due within 48 hours present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out Completely? ⁽¹⁾	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	no timestamps
Is the COC properly relinquished by the client w/ date and time recorded? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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"/>	
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"/>	
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling)? ⁽¹⁾ Note the type of preservative in the comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2? ⁽¹⁾ Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any):				

⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.

AS
Custodian Printed Name

2/2/24
Date/Time



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN TB

Project Number: [none]
Project Manager: Paul Henehan

Reported:
02/08/24 13:57

SS-19 4FT
2402041-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	ND	0.0020	mg/kg	1	BHB0090	02/02/24	02/02/24	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	0.89	0.50	"	"	"	"	"	"	

Date Sampled: **02/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4	0.0470	118 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0380	95.0 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0381	95.3 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
C10-C28 (DRO)	ND	50	mg/kg	1	BHB0092	02/02/24	02/03/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **02/02/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: o-Terphenyl	7.68	61.4 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN TB

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/08/24 13:57

SS-19 4FT
2402041-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **02/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHB0109	02/05/24	02/05/24	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **02/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0156	46.7 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0135	40.4 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **02/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHB0172	02/06/24	02/07/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **02/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN TB

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/08/24 13:57

SS-19 4FT
2402041-01 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Arsenic	2.02	0.200	mg/kg dry	1	BHB0096	02/05/24	02/06/24	EPA 6020B
Barium	13.6	0.400	"	"	"	"	"	"
Cadmium	0.205	0.200	"	"	"	"	"	"
Copper	8.89	0.400	"	"	"	"	"	"
Lead	14.0	0.200	"	"	"	"	"	"
Nickel	4.17	0.400	"	"	"	"	"	"
Silver	0.0603	0.0200	"	"	"	"	"	"
Zinc	24.6	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **02/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHB0116	02/05/24	02/05/24	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **02/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	20.9	0.0500	mg/L dry	1	BHB0093	02/02/24	02/06/24	EPA 6020B	
Magnesium	14.7	0.0500	"	"	"	"	"	"	
Sodium	144	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **02/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	5.90	0.00100	units	1	BHB0227	02/07/24	02/07/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **02/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN TB

Project Number: [none]
Project Manager: Paul Henehan

Reported:
02/08/24 13:57

SS-19 4FT
2402041-01 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	80.9	%	1	BHB0095	02/05/24	02/06/24	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **02/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.938	0.0100	mmhos/cm	1	BHB0105	02/05/24	02/05/24	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **02/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.23		pH Units	1	BHB0104	02/05/24	02/05/24	EPA 9045D	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN TB

Project Number: [none]
Project Manager: Paul Henehan

Reported:
02/08/24 13:57

SS-22 4FT
2402041-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/02/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BHB0090	02/02/24	02/02/24	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: **02/02/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0472	118 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0377	94.2 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0410	103 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/02/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BHB0092	02/02/24	02/03/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **02/02/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl	6.89	55.1 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN TB

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/08/24 13:57

SS-22 4FT
2402041-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **02/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHB0109	02/05/24	02/05/24	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **02/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0164	49.2 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0167	50.2 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **02/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHB0172	02/06/24	02/07/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **02/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN TB

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/08/24 13:57

SS-22 4FT
2402041-02 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Arsenic	5.50	0.200	mg/kg dry	1	BHB0096	02/05/24	02/06/24	EPA 6020B
Barium	33.7	0.400	"	"	"	"	"	"
Cadmium	0.298	0.200	"	"	"	"	"	"
Copper	8.59	0.400	"	"	"	"	"	"
Lead	14.5	0.200	"	"	"	"	"	"
Nickel	5.26	0.400	"	"	"	"	"	"
Silver	0.0502	0.0200	"	"	"	"	"	"
Zinc	28.5	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **02/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHB0116	02/05/24	02/05/24	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **02/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	10.7	0.0500	mg/L dry	1	BHB0093	02/02/24	02/06/24	EPA 6020B	
Magnesium	4.28	0.0500	"	"	"	"	"	"	
Sodium	206	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **02/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	13.5	0.00100	units	1	BHB0227	02/07/24	02/07/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **02/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN TB

Project Number: [none]
Project Manager: Paul Henehan

Reported:
02/08/24 13:57

SS-22 4FT
2402041-02 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	80.5	%	1	BHB0095	02/05/24	02/06/24	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **02/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.09	0.0100	mmhos/cm	1	BHB0105	02/05/24	02/05/24	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **02/02/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	9.14		pH Units	1	BHB0104	02/05/24	02/05/24	EPA 9045D	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN TB

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/08/24 13:57

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BHB0090 - EPA 5030 Soil MS

Blank (BHB0090-BLK1)

Prepared: 02/02/24 Analyzed: 02/03/24

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	0.0425		"	0.0400		106	50-150			
Surrogate: Toluene-d8	0.0375		"	0.0400		93.8	50-150			
Surrogate: 4-Bromofluorobenzene	0.0388		"	0.0400		97.0	50-150			

LCS (BHB0090-BS1)

Prepared: 02/02/24 Analyzed: 02/03/24

Benzene	0.0796	0.0020	mg/kg	0.100		79.6	70-130			
Toluene	0.0916	0.0050	"	0.100		91.6	70-130			
Ethylbenzene	0.0953	0.0050	"	0.100		95.3	70-130			
m,p-Xylene	0.197	0.010	"	0.200		98.5	70-130			
o-Xylene	0.0984	0.0050	"	0.100		98.4	70-130			
1,2,4-Trimethylbenzene	0.0940	0.0050	"	0.100		94.0	70-130			
1,3,5-Trimethylbenzene	0.0941	0.0050	"	0.100		94.1	70-130			
Naphthalene	0.0889	0.0038	"	0.100		88.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0402		"	0.0400		100	50-150			
Surrogate: Toluene-d8	0.0372		"	0.0400		92.9	50-150			
Surrogate: 4-Bromofluorobenzene	0.0377		"	0.0400		94.2	50-150			

Matrix Spike (BHB0090-MS1)

Source: 2402040-01

Prepared: 02/02/24 Analyzed: 02/03/24

Benzene	0.0799	0.0020	mg/kg	0.100	ND	79.9	70-130			
Toluene	0.0935	0.0050	"	0.100	ND	93.5	70-130			
Ethylbenzene	0.0974	0.0050	"	0.100	ND	97.4	70-130			
m,p-Xylene	0.196	0.010	"	0.200	ND	98.2	70-130			
o-Xylene	0.0951	0.0050	"	0.100	ND	95.1	70-130			
1,2,4-Trimethylbenzene	0.0894	0.0050	"	0.100	ND	89.4	70-130			
1,3,5-Trimethylbenzene	0.0930	0.0050	"	0.100	ND	93.0	70-130			
Naphthalene	0.0833	0.0038	"	0.100	ND	83.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0384		"	0.0400		96.1	50-150			
Surrogate: Toluene-d8	0.0378		"	0.0400		94.6	50-150			
Surrogate: 4-Bromofluorobenzene	0.0380		"	0.0400		94.9	50-150			

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN TB

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/08/24 13:57

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BHB0090 - EPA 5030 Soil MS

Matrix Spike Dup (BHB0090-MSD1)

Source: 2402040-01

Prepared: 02/02/24 Analyzed: 02/03/24

Benzene	0.0804	0.0020	mg/kg	0.100	ND	80.4	70-130	0.636	30	
Toluene	0.0939	0.0050	"	0.100	ND	93.9	70-130	0.416	30	
Ethylbenzene	0.0923	0.0050	"	0.100	ND	92.3	70-130	5.31	30	
m,p-Xylene	0.186	0.010	"	0.200	ND	93.1	70-130	5.36	30	
o-Xylene	0.0903	0.0050	"	0.100	ND	90.3	70-130	5.18	30	
1,2,4-Trimethylbenzene	0.0843	0.0050	"	0.100	ND	84.3	70-130	5.91	30	
1,3,5-Trimethylbenzene	0.0869	0.0050	"	0.100	ND	86.9	70-130	6.77	30	
Naphthalene	0.0804	0.0038	"	0.100	ND	80.4	70-130	3.48	30	
Surrogate: 1,2-Dichloroethane-d4	0.0435		"	0.0400		109	50-150			
Surrogate: Toluene-d8	0.0381		"	0.0400		95.2	50-150			
Surrogate: 4-Bromofluorobenzene	0.0375		"	0.0400		93.8	50-150			

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PO Box 1289
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Project: Noble - Grigsby AC 19-62HN TB

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/08/24 13:57

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch BHB0092 - EPA 3550A

Blank (BHB0092-BLK1)

Prepared & Analyzed: 02/02/24

C10-C28 (DRO)	ND	50	mg/kg							
C28-C36 (ORO)	ND	50	"							
Surrogate: o-Terphenyl	16.3		"	12.5		131	30-150			

LCS (BHB0092-BS1)

Prepared & Analyzed: 02/02/24

C10-C28 (DRO)	470	50	mg/kg	500		94.0	70-130			
Surrogate: o-Terphenyl	14.4		"	12.5		115	30-150			

Matrix Spike (BHB0092-MS1)

Source: 2402040-01

Prepared & Analyzed: 02/02/24

C10-C28 (DRO)	460	50	mg/kg	500	17.4	88.5	70-130			
Surrogate: o-Terphenyl	10.9		"	12.5		86.9	30-150			

Matrix Spike Dup (BHB0092-MSD1)

Source: 2402040-01

Prepared & Analyzed: 02/02/24

C10-C28 (DRO)	445	50	mg/kg	500	17.4	85.4	70-130	3.40	20	
Surrogate: o-Terphenyl	11.0		"	12.5		87.6	30-150			

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN TB

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/08/24 13:57

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BHB0109 - EPA 5030 Soil MS

Blank (BHB0109-BLK1)

Prepared & Analyzed: 02/05/24

Acenaphthene	ND	0.00500	mg/kg
Anthracene	ND	0.00500	"
Benzo (a) anthracene	ND	0.00500	"
Benzo (a) pyrene	ND	0.00500	"
Benzo (b) fluoranthene	ND	0.00500	"
Benzo (k) fluoranthene	ND	0.00500	"
Chrysene	ND	0.00500	"
Dibenz (a,h) anthracene	ND	0.00500	"
Fluoranthene	ND	0.00500	"
Fluorene	ND	0.00500	"
Indeno (1,2,3-cd) pyrene	ND	0.00500	"
Pyrene	ND	0.00500	"
1-Methylnaphthalene	ND	0.00500	"
2-Methylnaphthalene	ND	0.00500	"

Surrogate: 2-Methylnaphthalene-d10	0.0250	"	0.0333	74.9	40-150
Surrogate: Fluoranthene-d10	0.0272	"	0.0333	81.5	40-150

LCS (BHB0109-BS1)

Prepared & Analyzed: 02/05/24

Acenaphthene	0.0257	0.00500	mg/kg	0.0333	77.1	31-137
Anthracene	0.0260	0.00500	"	0.0333	78.0	30-120
Benzo (a) anthracene	0.0141	0.00500	"	0.0333	42.3	30-120
Benzo (a) pyrene	0.0213	0.00500	"	0.0333	63.8	30-120
Benzo (b) fluoranthene	0.0189	0.00500	"	0.0333	56.6	30-120
Benzo (k) fluoranthene	0.0243	0.00500	"	0.0333	73.0	30-120
Chrysene	0.0267	0.00500	"	0.0333	80.0	30-120
Dibenz (a,h) anthracene	0.0190	0.00500	"	0.0333	57.1	30-120
Fluoranthene	0.0256	0.00500	"	0.0333	76.7	30-120
Fluorene	0.0254	0.00500	"	0.0333	76.3	30-120
Indeno (1,2,3-cd) pyrene	0.0217	0.00500	"	0.0333	65.1	30-120
Pyrene	0.0275	0.00500	"	0.0333	82.5	35-142
1-Methylnaphthalene	0.0316	0.00500	"	0.0333	94.8	35-142
2-Methylnaphthalene	0.0228	0.00500	"	0.0333	68.5	35-142

Surrogate: 2-Methylnaphthalene-d10	0.0319	"	0.0333	95.6	40-150
Surrogate: Fluoranthene-d10	0.0260	"	0.0333	78.1	40-150

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN TB

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/08/24 13:57

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BHB0109 - EPA 5030 Soil MS

Matrix Spike (BHB0109-MS1)

Source: 2401589-01

Prepared & Analyzed: 02/05/24

Acenaphthene	0.0190	0.00500	mg/kg	0.0333	ND	57.0	31-137				
Anthracene	0.0192	0.00500	"	0.0333	ND	57.7	30-120				
Benzo (a) anthracene	0.0129	0.00500	"	0.0333	ND	38.7	30-120				
Benzo (a) pyrene	0.0178	0.00500	"	0.0333	ND	53.3	30-120				
Benzo (b) fluoranthene	0.0144	0.00500	"	0.0333	ND	43.1	30-120				
Benzo (k) fluoranthene	0.0186	0.00500	"	0.0333	ND	55.8	30-120				
Chrysene	0.0197	0.00500	"	0.0333	ND	59.2	30-120				
Dibenz (a,h) anthracene	0.0162	0.00500	"	0.0333	ND	48.7	30-120				
Fluoranthene	0.0205	0.00500	"	0.0333	ND	61.6	30-120				
Fluorene	0.0196	0.00500	"	0.0333	ND	58.7	30-120				
Indeno (1,2,3-cd) pyrene	0.0166	0.00500	"	0.0333	ND	49.7	30-120				
Pyrene	0.0214	0.00500	"	0.0333	ND	64.1	35-142				
1-Methylnaphthalene	0.0212	0.00500	"	0.0333	ND	63.7	15-130				
2-Methylnaphthalene	0.0157	0.00500	"	0.0333	ND	47.0	15-130				
Surrogate: 2-Methylnaphthalene-d10	0.0243		"	0.0333		73.0	40-150				
Surrogate: Fluoranthene-d10	0.0217		"	0.0333		65.2	40-150				

Matrix Spike Dup (BHB0109-MSD1)

Source: 2401589-01

Prepared & Analyzed: 02/05/24

Acenaphthene	0.0178	0.00500	mg/kg	0.0333	ND	53.5	31-137	6.25	30
Anthracene	0.0186	0.00500	"	0.0333	ND	55.9	30-120	3.12	30
Benzo (a) anthracene	0.0133	0.00500	"	0.0333	ND	39.9	30-120	2.98	30
Benzo (a) pyrene	0.0179	0.00500	"	0.0333	ND	53.6	30-120	0.496	30
Benzo (b) fluoranthene	0.0145	0.00500	"	0.0333	ND	43.5	30-120	0.959	30
Benzo (k) fluoranthene	0.0180	0.00500	"	0.0333	ND	54.1	30-120	3.14	30
Chrysene	0.0186	0.00500	"	0.0333	ND	55.8	30-120	5.96	30
Dibenz (a,h) anthracene	0.0162	0.00500	"	0.0333	ND	48.5	30-120	0.572	30
Fluoranthene	0.0197	0.00500	"	0.0333	ND	59.0	30-120	4.23	30
Fluorene	0.0187	0.00500	"	0.0333	ND	56.1	30-120	4.43	30
Indeno (1,2,3-cd) pyrene	0.0164	0.00500	"	0.0333	ND	49.3	30-120	0.818	30
Pyrene	0.0195	0.00500	"	0.0333	ND	58.6	35-142	9.00	30
1-Methylnaphthalene	0.0174	0.00500	"	0.0333	ND	52.2	15-130	19.8	50
2-Methylnaphthalene	0.0139	0.00500	"	0.0333	ND	41.6	15-130	12.2	50
Surrogate: 2-Methylnaphthalene-d10	0.0186		"	0.0333		55.8	40-150		
Surrogate: Fluoranthene-d10	0.0207		"	0.0333		62.0	40-150		

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN TB

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/08/24 13:57

Total Metals by EPA 6020B Hot Water Soluble Extraction - Quality Control
Summit Scientific

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

Batch BHB0172 - EPA 3050B

Blank (BHB0172-BLK1)

Prepared: 02/06/24 Analyzed: 02/07/24

Boron ND 2.00 mg/L

LCS (BHB0172-BS1)

Prepared: 02/06/24 Analyzed: 02/07/24

Boron 4.81 2.00 mg/L 5.00 96.1 80-120

Duplicate (BHB0172-DUP1)

Source: 2401246-03

Prepared: 02/06/24 Analyzed: 02/07/24

Boron 0.128 2.00 mg/L 0.274 72.5 20 QR-01

Matrix Spike (BHB0172-MS1)

Source: 2401246-03

Prepared: 02/06/24 Analyzed: 02/07/24

Boron 5.03 2.00 mg/L 5.00 0.274 95.0 75-125

Matrix Spike Dup (BHB0172-MSD1)

Source: 2401246-03

Prepared: 02/06/24 Analyzed: 02/07/24

Boron 4.93 2.00 mg/L 5.00 0.274 93.0 75-125 2.01 25

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN TB

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/08/24 13:57

Total Metals by EPA 6020B - Quality Control

Summit Scientific

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

Batch BHB0096 - EPA 3050B

Blank (BHB0096-BLK1)

Prepared: 02/05/24 Analyzed: 02/06/24

Arsenic	ND	0.200	mg/kg wet
Barium	ND	0.400	"
Cadmium	ND	0.200	"
Copper	ND	0.400	"
Lead	ND	0.200	"
Nickel	ND	0.400	"
Silver	ND	0.0200	"
Zinc	ND	0.400	"
Selenium	ND	0.260	"

LCS (BHB0096-BS1)

Prepared: 02/05/24 Analyzed: 02/06/24

Arsenic	33.6	0.200	mg/kg wet	40.0	83.9	80-120
Barium	33.8	0.400	"	40.0	84.6	80-120
Cadmium	2.40	0.200	"	2.00	120	80-120
Copper	32.7	0.400	"	40.0	81.8	80-120
Lead	16.0	0.200	"	20.0	80.2	80-120
Nickel	35.8	0.400	"	40.0	89.5	80-120
Silver	2.38	0.0200	"	2.00	119	80-120
Zinc	35.9	0.400	"	40.0	89.8	80-120
Selenium	3.26	0.260	"	4.00	81.6	80-120

Duplicate (BHB0096-DUP1)

Source: 2401134-01RE1

Prepared: 02/05/24 Analyzed: 02/06/24

Arsenic	2.94	0.200	mg/kg wet	3.26	10.5	20
Barium	62.0	0.400	"	57.3	7.93	20
Cadmium	0.235	0.200	"	0.295	22.7	20
Copper	6.61	0.400	"	7.73	15.6	20
Lead	7.37	0.200	"	8.49	14.1	20
Nickel	4.28	0.400	"	4.13	3.63	20
Silver	0.0284	0.0200	"	0.0312	9.40	20
Zinc	15.3	0.400	"	14.1	8.38	20
Selenium	ND	0.260	"	ND		20

QR-01

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN TB

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/08/24 13:57

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BHB0096 - EPA 3050B

Matrix Spike (BHB0096-MS1)

Source: 2401134-01RE1

Prepared: 02/05/24 Analyzed: 02/06/24

Arsenic	36.3	0.200	mg/kg wet	40.0	3.26	82.6	75-125			
Barium	71.9	0.400	"	40.0	57.3	36.5	75-125			QM-07
Cadmium	2.07	0.200	"	2.00	0.295	88.6	75-125			
Copper	21.3	0.400	"	40.0	7.73	34.0	75-125			QM-07
Lead	23.4	0.200	"	20.0	8.49	74.4	75-125			QM-07
Nickel	18.9	0.400	"	40.0	4.13	37.0	75-125			QM-07
Silver	1.67	0.0200	"	2.00	0.0312	81.8	75-125			
Zinc	27.1	0.400	"	40.0	14.1	32.6	75-125			QM-07
Selenium	2.67	0.260	"	4.00	ND	66.8	75-125			QM-07

Matrix Spike Dup (BHB0096-MSD1)

Source: 2401134-01RE1

Prepared: 02/05/24 Analyzed: 02/06/24

Arsenic	35.9	0.200	mg/kg wet	40.0	3.26	81.6	75-125	1.07	25	
Barium	70.7	0.400	"	40.0	57.3	33.5	75-125	1.72	25	QM-07
Cadmium	2.06	0.200	"	2.00	0.295	88.2	75-125	0.368	25	
Copper	21.2	0.400	"	40.0	7.73	33.6	75-125	0.911	25	QM-07
Lead	23.1	0.200	"	20.0	8.49	73.3	75-125	0.953	25	QM-07
Nickel	18.7	0.400	"	40.0	4.13	36.4	75-125	1.34	25	QM-07
Silver	1.66	0.0200	"	2.00	0.0312	81.3	75-125	0.698	25	
Zinc	26.7	0.400	"	40.0	14.1	31.6	75-125	1.47	25	QM-07
Selenium	2.63	0.260	"	4.00	ND	65.8	75-125	1.49	25	QM-07

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PO Box 1289
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Project: Noble - Grigsby AC 19-62HN TB

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/08/24 13:57

Hexavalent Chromium by EPA Method 7196 - Quality Control
Summit Scientific

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

Batch BHB0116 - 3060A Mod

Blank (BHB0116-BLK1)

Prepared & Analyzed: 02/05/24

Chromium, Hexavalent ND 0.30 mg/kg wet

LCS (BHB0116-BS1)

Prepared & Analyzed: 02/05/24

Chromium, Hexavalent 23.7 0.30 mg/kg wet 25.0 94.8 80-120

Duplicate (BHB0116-DUP1)

Source: 2401552-01

Prepared & Analyzed: 02/05/24

Chromium, Hexavalent ND 0.30 mg/kg dry ND 20

Matrix Spike (BHB0116-MS1)

Source: 2401552-01

Prepared & Analyzed: 02/05/24

Chromium, Hexavalent 25.4 0.30 mg/kg dry 26.6 ND 95.6 75-125

Matrix Spike Dup (BHB0116-MSD1)

Source: 2401552-01

Prepared & Analyzed: 02/05/24

Chromium, Hexavalent 25.4 0.30 mg/kg dry 26.6 ND 95.4 75-125 0.209 20

Summit Scientific

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PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN TB

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/08/24 13:57

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction - Quality Control
Summit Scientific

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

Batch BHB0093 - General Preparation

Blank (BHB0093-BLK1)

Prepared: 02/02/24 Analyzed: 02/06/24

Calcium	ND	0.0500	mg/L wet
Magnesium	ND	0.0500	"
Sodium	ND	0.0500	"

LCS (BHB0093-BS1)

Prepared: 02/02/24 Analyzed: 02/06/24

Calcium	4.35	0.0500	mg/L wet	5.00	87.1	70-130
Magnesium	4.83	0.0500	"	5.00	96.5	70-130
Sodium	4.98	0.0500	"	5.00	99.6	70-130

Summit Scientific

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PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN TB

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/08/24 13:57

Physical Parameters by APHA/ASTM/EPA Methods - Quality Control

Summit Scientific

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

Batch BHB0095 - General Preparation

Duplicate (BHB0095-DUP1)		Source: 2401333-04		Prepared: 02/05/24 Analyzed: 02/06/24	
% Solids	94.8		%	94.9	0.152 20

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN TB

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/08/24 13:57

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction - Quality Control
Summit Scientific

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

Batch BHB0105 - General Preparation

Blank (BHB0105-BLK1)

Prepared & Analyzed: 02/05/24

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BHB0105-BS1)

Prepared & Analyzed: 02/05/24

Specific Conductance (EC) 0.155 0.0100 mmhos/cm 0.150 103 95-105

Duplicate (BHB0105-DUP1)

Source: 2402041-01

Prepared & Analyzed: 02/05/24

Specific Conductance (EC) 0.933 0.0100 mmhos/cm 0.938 0.567 20

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PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN TB

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/08/24 13:57

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction - Quality Control
Summit Scientific

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

Batch BHB0104 - General Preparation

LCS (BHB0104-BS1)

Prepared & Analyzed: 02/05/24

pH	9.28	pH Units	9.18	101	95-105
----	------	----------	------	-----	--------

Duplicate (BHB0104-DUP1)

Source: 2402041-01

Prepared & Analyzed: 02/05/24

pH	8.10	pH Units	8.23	1.59	20
----	------	----------	------	------	----

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN TB

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/08/24 13:57

Notes and Definitions

QR-01	Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit. QC batch accepted based on LCS and/or LCSD QC results.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS/LCSD recovery.
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

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

April 05, 2024

Paul Henchan

Fremont Environmental

PO Box 1289

Wellington, CO 80549

RE: Chevron - Grigsby AC19-62HN

Work Order #2404075

Enclosed are the results of analyses for samples received by Summit Scientific on 04/04/24 16:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', with a stylized, cursive script.

Paul Shrewsbury

President



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - Grigsby AC19-62HN

Project Number: CO24-022
Project Manager: Paul Henchan

Reported:
04/05/24 07:10

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-23 6FT	2404075-01	Soil	04/04/24 12:10	04/04/24 16:30
SS-24 6FT	2404075-02	Soil	04/04/24 12:15	04/04/24 16:30
SS-25 6FT	2404075-03	Soil	04/04/24 12:20	04/04/24 16:30
SS-26 6FT	2404075-04	Soil	04/04/24 12:25	04/04/24 16:30
SS-27 6FT	2404075-05	Soil	04/04/24 12:30	04/04/24 16:30
SS-28 6FT	2404075-06	Soil	04/04/24 12:35	04/04/24 16:30
SS-29 10FT	2404075-07	Soil	04/04/24 12:40	04/04/24 16:30
SS-30 6FT	2404075-08	Soil	04/04/24 12:45	04/04/24 16:30
SS-32 10FT	2404075-09	Soil	04/04/24 12:50	04/04/24 16:30
SS-33 6FT	2404075-10	Soil	04/04/24 12:55	04/04/24 16:30
SS-34 6FT	2404075-11	Soil	04/04/24 13:00	04/04/24 16:30
SS-35 10FT	2404075-12	Soil	04/04/24 13:05	04/04/24 16:30
SS-36 6FT	2404075-13	Soil	04/04/24 13:10	04/04/24 16:30
SS-37 6FT	2404075-14	Soil	04/04/24 13:15	04/04/24 16:30
SS-38 6FT	2404075-15	Soil	04/04/24 13:20	04/04/24 16:30

Summit Scientific

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SUMMIT SCIENTIFIC

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

Lab ID	Page 1 of 1
2404075	

Client: Fremont Environmental		Send Data To: Project Manager: Paul Henehan		Send Invoice To: Company: <u>Chewon</u>	
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: <u>Grigby AC 19-62HN</u>		PO/Billing Codes:	
Sampler Name: Aaron Otilar		Project Number: <u>2024-022</u>		Contact: <u>Don Peterson</u>	

					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	SS-23 6FT	4/4/24	1210	2			X			X			X	X	X	X	X	X			
2	SS-24 6FT		1215																		
3	SS-25 6FT		1220																		
4	SS-26 6FT		1225																		
5	SS-27 6FT		1230																		
6	SS-28 6FT		1235																		
7	SS-29 10FT		1240																		
8	SS-30 6FT		1245																		
9	SS-32 10FT		1250																		
10	SS-33 6FT		1255																		
11	SS-34 6FT		1300																		
12	SS-35 10FT		1305																		
13	SS-36 6FT		1310																		
14	SS-37 6FT		1315																		
15	SS-38 6FT		1320																		

Relinquished by: <u>Aaron Otilar</u>	Date/Time: <u>4/4/24 1527</u>	Received by: <u>Summit North Office</u>	Date/Time: <u>4/4/24 1527</u>	TAT Business Days	Field DO	Notes:	
				Same Day	X		Field EC
Relinquished by: <u>52</u>	Date/Time: <u>4/4/24 1630</u>	Received by: <u>[Signature]</u>	Date/Time: <u>4/4/24 1630</u>	1 Day			Field ORP
				2 Days			Field pH
Relinquished by:	Date/Time:	Received by:	Date/Time:	3 Days			Field Temp.
				Standard		Field Turb.	
Temperature Upon Receipt: <u>12.9</u>		Corrected Temperature <u>8</u>		IR gun #: <u>1</u>		HNO3 lot #: <u></u>	

S₂

Sample Receipt Checklist

S2 Work Order# 2404075Client: FremontClient Project ID: Grigsby Ac 19-62HNShipped Via: H.D./P.U./FedEx/UPS/USPS/Other

Airbill #:

	-			
--	---	--	--	--

Matrix (Check all that apply)

Air

☐

Soil/Solid

☐

Water

☐

Other

☐

Temp (°C)

12.9

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.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If custody seals are present, are they intact? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	on 2 CE
Are samples due within 48 hours present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out Completely? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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"/>	
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"/>	
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	//
Are samples preserved that require preservation (excluding cooling)? ⁽¹⁾ Note the type of preservative in the comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2? ⁽¹⁾ Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any):				

⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.

Custodian Printed Name

Date/Time

88



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - Grigsby AC19-62HN
Project Number: CO24-022
Project Manager: Paul Henchan

Reported:
04/05/24 07:10

SS-23 6FT
2404075-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/04/24 12:10**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BHD0154	04/04/24	04/04/24	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: **04/04/24 12:10**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0372	92.9 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0419	105 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0421	105 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/04/24 12:10**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BHD0157	04/04/24	04/04/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/04/24 12:10**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl	3.74	29.9 %	30-150		"	"	"	"	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - Grigsby AC19-62HN
Project Number: CO24-022
Project Manager: Paul Henchan

Reported:
04/05/24 07:10

SS-24 6FT
2404075-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/04/24 12:15**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BHD0154	04/04/24	04/04/24	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: **04/04/24 12:15**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0353	88.2 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0419	105 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0415	104 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/04/24 12:15**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BHD0157	04/04/24	04/04/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/04/24 12:15**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl	4.58	36.6 %	30-150		"	"	"	"	

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - Grigsby AC19-62HN
Project Number: CO24-022
Project Manager: Paul Henchan

Reported:
04/05/24 07:10

SS-25 6FT
2404075-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/04/24 12:20**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BHD0154	04/04/24	04/04/24	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: **04/04/24 12:20**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0336	83.9 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0413	103 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0410	103 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/04/24 12:20**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BHD0157	04/04/24	04/04/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/04/24 12:20**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl	6.30	50.4 %	30-150		"	"	"	"	

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - Grigsby AC19-62HN
Project Number: CO24-022
Project Manager: Paul Henchan

Reported:
04/05/24 07:10

SS-26 6FT
2404075-04 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/04/24 12:25**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BHD0154	04/04/24	04/04/24	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: **04/04/24 12:25**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0317	79.4 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0404	101 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0402	101 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/04/24 12:25**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BHD0157	04/04/24	04/04/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/04/24 12:25**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl	5.48	43.8 %	30-150		"	"	"	"	

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - Grigsby AC19-62HN
Project Number: CO24-022
Project Manager: Paul Henchan

Reported:
04/05/24 07:10

SS-27 6FT
2404075-05 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/04/24 12:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BHD0154	04/04/24	04/04/24	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: **04/04/24 12:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0330	82.5 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0427	107 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0411	103 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/04/24 12:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BHD0157	04/04/24	04/04/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/04/24 12:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl	6.85	54.8 %	30-150		"	"	"	"	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - Grigsby AC19-62HN
Project Number: CO24-022
Project Manager: Paul Henchan

Reported:
04/05/24 07:10

SS-28 6FT
2404075-06 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/04/24 12:35**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BHD0154	04/04/24	04/04/24	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: **04/04/24 12:35**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0330	82.6 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0429	107 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0408	102 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/04/24 12:35**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BHD0157	04/04/24	04/04/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/04/24 12:35**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl	8.59	68.7 %	30-150		"	"	"	"	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - Grigsby AC19-62HN
Project Number: CO24-022
Project Manager: Paul Henchan

Reported:
04/05/24 07:10

SS-29 10FT
2404075-07 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/04/24 12:40**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BHD0154	04/04/24	04/05/24	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: **04/04/24 12:40**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0308	77.0 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0429	107 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0416	104 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/04/24 12:40**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BHD0157	04/04/24	04/04/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/04/24 12:40**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl	7.16	57.3 %	30-150		"	"	"	"	

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - Grigsby AC19-62HN
Project Number: CO24-022
Project Manager: Paul Henchan

Reported:
04/05/24 07:10

SS-30 6FT
2404075-08 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/04/24 12:45**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	0.036	0.0020	mg/kg	1	BHD0154	04/04/24	04/05/24	EPA 8260B	
Toluene	0.020	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.030	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.072	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	0.094	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	0.023	0.0050	"	"	"	"	"	"	
Naphthalene	0.037	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	3.3	0.50	"	"	"	"	"	"	

Date Sampled: **04/04/24 12:45**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.0254	63.5 %	50-150		"	"	"	"	
<i>Surrogate: Toluene-d8</i>	0.0462	116 %	50-150		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0389	97.2 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/04/24 12:45**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BHD0157	04/04/24	04/05/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/04/24 12:45**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
<i>Surrogate: o-Terphenyl</i>	7.92	63.4 %	30-150		"	"	"	"	

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PO Box 1289
Wellington CO, 80549

Project: Chevron - Grigsby AC19-62HN
Project Number: CO24-022
Project Manager: Paul Henchan

Reported:
04/05/24 07:10

SS-32 10FT
2404075-09 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/04/24 12:50**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BHD0154	04/04/24	04/05/24	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: **04/04/24 12:50**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0310	77.6 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0441	110 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0401	100 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/04/24 12:50**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BHD0157	04/04/24	04/05/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/04/24 12:50**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl	7.33	58.6 %	30-150		"	"	"	"	

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - Grigsby AC19-62HN
Project Number: CO24-022
Project Manager: Paul Henchan

Reported:
04/05/24 07:10

SS-33 6FT
2404075-10 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/04/24 12:55**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	3.3	0.20	mg/kg	100	BHD0154	04/04/24	04/05/24	EPA 8260B	
Toluene	0.12	0.0050	"	1	"	"	04/05/24	"	
Ethylbenzene	9.5	0.50	"	100	"	"	04/05/24	"	
Xylenes (total)	7.0	0.010	"	1	"	"	"	"	
1,2,4-Trimethylbenzene	17	0.50	"	100	"	"	"	"	
1,3,5-Trimethylbenzene	4.7	0.50	"	"	"	"	"	"	
Naphthalene	0.63	0.0038	"	1	"	"	04/05/24	"	
Gasoline Range Hydrocarbons	1500	50	"	100	"	"	04/05/24	"	

Date Sampled: **04/04/24 12:55**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.0414	104 %	50-150		"	"	04/05/24	"	
<i>Surrogate: Toluene-d8</i>	0.292	729 %	50-150		"	"	"	"	S-02
<i>Surrogate: 4-Bromofluorobenzene</i>	0.123	307 %	50-150		"	"	"	"	S-02

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/04/24 12:55**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	6600	50	mg/kg	1	BHD0157	04/04/24	04/05/24	EPA 8015M	
C28-C36 (ORO)	1500	50	"	"	"	"	"	"	

Date Sampled: **04/04/24 12:55**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
<i>Surrogate: o-Terphenyl</i>	9.63	77.1 %	30-150		"	"	"	"	

Summit Scientific

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PO Box 1289
Wellington CO, 80549

Project: Chevron - Grigsby AC19-62HN
Project Number: CO24-022
Project Manager: Paul Henchan

Reported:
04/05/24 07:10

SS-34 6FT
2404075-11 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/04/24 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BHD0154	04/04/24	04/04/24	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.020	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	0.057	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	2.2	0.50	"	"	"	"	"	"	

Date Sampled: **04/04/24 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0415	104 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0416	104 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0407	102 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/04/24 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	230	50	mg/kg	1	BHD0157	04/04/24	04/05/24	EPA 8015M	
C28-C36 (ORO)	67	50	"	"	"	"	"	"	

Date Sampled: **04/04/24 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	11.0	88.1 %	30-150		"	"	"	"	

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - Grigsby AC19-62HN
Project Number: CO24-022
Project Manager: Paul Henchan

Reported:
04/05/24 07:10

SS-35 10FT
2404075-12 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/04/24 13:05**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BHD0154	04/04/24	04/04/24	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: **04/04/24 13:05**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0393	98.3 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0431	108 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0408	102 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/04/24 13:05**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BHD0157	04/04/24	04/05/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/04/24 13:05**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl	6.40	51.2 %	30-150		"	"	"	"	

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PO Box 1289
Wellington CO, 80549

Project: Chevron - Grigsby AC19-62HN
Project Number: CO24-022
Project Manager: Paul Henchan

Reported:
04/05/24 07:10

SS-36 6FT
2404075-13 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/04/24 13:10**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BHD0154	04/04/24	04/05/24	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: **04/04/24 13:10**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0425	106 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0439	110 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0384	96.1 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/04/24 13:10**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BHD0157	04/04/24	04/05/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/04/24 13:10**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl	8.49	67.9 %	30-150		"	"	"	"	

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PO Box 1289
Wellington CO, 80549

Project: Chevron - Grigsby AC19-62HN
Project Number: CO24-022
Project Manager: Paul Henchan

Reported:
04/05/24 07:10

SS-37 6FT
2404075-14 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/04/24 13:15**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BHD0154	04/04/24	04/05/24	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: **04/04/24 13:15**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0408	102 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0435	109 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0399	99.8 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/04/24 13:15**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BHD0157	04/04/24	04/05/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/04/24 13:15**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl	10.1	80.5 %	30-150		"	"	"	"	

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - Grigsby AC19-62HN
Project Number: CO24-022
Project Manager: Paul Henchan

Reported:
04/05/24 07:10

SS-38 6FT
2404075-15 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/04/24 13:20**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BHD0154	04/04/24	04/05/24	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: **04/04/24 13:20**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0410	103 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0441	110 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0389	97.2 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/04/24 13:20**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BHD0157	04/04/24	04/05/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/04/24 13:20**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl	8.26	66.1 %	30-150		"	"	"	"	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - Grigsby AC19-62HN

Project Number: CO24-022
Project Manager: Paul Henchan

Reported:
04/05/24 07:10

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BHD0154 - EPA 5030 Soil MS

Blank (BHD0154-BLK1)

Prepared: 04/04/24 Analyzed: 04/05/24

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	0.0275		"	0.0400		68.8	50-150			
Surrogate: Toluene-d8	0.0449		"	0.0400		112	50-150			
Surrogate: 4-Bromofluorobenzene	0.0399		"	0.0400		99.8	50-150			

LCS (BHD0154-BS1)

Prepared: 04/04/24 Analyzed: 04/05/24

Benzene	0.0773	0.0020	mg/kg	0.100		77.3	70-130			
Toluene	0.106	0.0050	"	0.100		106	70-130			
Ethylbenzene	0.102	0.0050	"	0.100		102	70-130			
m,p-Xylene	0.206	0.010	"	0.200		103	70-130			
o-Xylene	0.102	0.0050	"	0.100		102	70-130			
1,2,4-Trimethylbenzene	0.0936	0.0050	"	0.100		93.6	70-130			
1,3,5-Trimethylbenzene	0.0958	0.0050	"	0.100		95.8	70-130			
Naphthalene	0.0771	0.0038	"	0.100		77.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0270		"	0.0400		67.4	50-150			
Surrogate: Toluene-d8	0.0443		"	0.0400		111	50-150			
Surrogate: 4-Bromofluorobenzene	0.0421		"	0.0400		105	50-150			

Matrix Spike (BHD0154-MS1)

Source: 2404072-01

Prepared: 04/04/24 Analyzed: 04/05/24

Benzene	0.0716	0.0020	mg/kg	0.100	ND	71.6	70-130			
Toluene	0.102	0.0050	"	0.100	ND	102	70-130			
Ethylbenzene	0.0961	0.0050	"	0.100	ND	96.1	70-130			
m,p-Xylene	0.192	0.010	"	0.200	ND	96.2	70-130			
o-Xylene	0.0956	0.0050	"	0.100	ND	95.6	70-130			
1,2,4-Trimethylbenzene	0.0880	0.0050	"	0.100	ND	88.0	70-130			
1,3,5-Trimethylbenzene	0.0902	0.0050	"	0.100	ND	90.2	70-130			
Naphthalene	0.0736	0.0038	"	0.100	ND	73.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0254		"	0.0400		63.4	50-150			
Surrogate: Toluene-d8	0.0456		"	0.0400		114	50-150			
Surrogate: 4-Bromofluorobenzene	0.0401		"	0.0400		100	50-150			

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: Chevron - Grigsby AC19-62HN
Project Number: CO24-022
Project Manager: Paul Henchan

Reported:
04/05/24 07:10

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

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

Batch BHD0154 - EPA 5030 Soil MS

Matrix Spike Dup (BHD0154-MSD1)		Source: 2404072-01			Prepared: 04/04/24 Analyzed: 04/05/24					
Benzene	0.0926	0.0020	mg/kg	0.100	ND	92.6	70-130	25.7	30	QM-07
Toluene	0.131	0.0050	"	0.100	ND	131	70-130	24.7	30	
Ethylbenzene	0.118	0.0050	"	0.100	ND	118	70-130	20.3	30	
m,p-Xylene	0.236	0.010	"	0.200	ND	118	70-130	20.3	30	
o-Xylene	0.114	0.0050	"	0.100	ND	114	70-130	17.4	30	
1,2,4-Trimethylbenzene	0.107	0.0050	"	0.100	ND	107	70-130	19.2	30	
1,3,5-Trimethylbenzene	0.110	0.0050	"	0.100	ND	110	70-130	19.6	30	
Naphthalene	0.0811	0.0038	"	0.100	ND	81.1	70-130	9.62	30	
Surrogate: 1,2-Dichloroethane-d4		0.0259	"	0.0400		64.8	50-150			
Surrogate: Toluene-d8		0.0472	"	0.0400		118	50-150			
Surrogate: 4-Bromofluorobenzene		0.0428	"	0.0400		107	50-150			

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - Grigsby AC19-62HN
Project Number: CO24-022
Project Manager: Paul Henchan

Reported:
04/05/24 07:10

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch BHD0157 - EPA 3550A

Blank (BHD0157-BLK1)

Prepared: 04/04/24 Analyzed: 04/05/24

C10-C28 (DRO)	ND	50	mg/kg							
C28-C36 (ORO)	ND	50	"							
Surrogate: o-Terphenyl	13.4		"	12.5		108	30-150			

LCS (BHD0157-BS1)

Prepared: 04/04/24 Analyzed: 04/05/24

C10-C28 (DRO)	528	50	mg/kg	500		106	70-130			
Surrogate: o-Terphenyl	14.6		"	12.5		117	30-150			

Matrix Spike (BHD0157-MS1)

Source: 2404072-01

Prepared: 04/04/24 Analyzed: 04/05/24

C10-C28 (DRO)	481	50	mg/kg	500	17.5	92.7	70-130			
Surrogate: o-Terphenyl	10.7		"	12.5		86.0	30-150			

Matrix Spike Dup (BHD0157-MSD1)

Source: 2404072-01

Prepared: 04/04/24 Analyzed: 04/05/24

C10-C28 (DRO)	485	50	mg/kg	500	17.5	93.6	70-130	0.889	20	
Surrogate: o-Terphenyl	12.5		"	12.5		99.9	30-150			

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - Grigsby AC19-62HN

Project Number: CO24-022
Project Manager: Paul Henchan

Reported:
04/05/24 07:10

Notes and Definitions

S-02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS/LCSD recovery.
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

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

February 01, 2024

Paul Henchan

Fremont Environmental

PO Box 1289

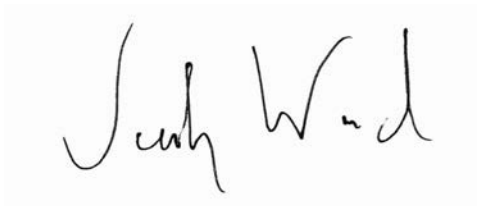
Wellington, CO 80549

RE: Noble - Grigsby AC H-62Hz

Work Order #2401510

Enclosed are the results of analyses for samples received by Summit Scientific on 01/29/24 16:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Jacob Wood". The signature is written in a cursive, flowing style.

Jacob Wood For Paul Shrewsbury

President



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC H-62Hz

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/01/24 13:12

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Waste Char.	2401510-01	Soil	01/29/24 00:00	01/29/24 16:30

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

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

Lab ID	Page 1 of 1
240510	

Client: Fremont Environmental, Inc.				Send Data To:				Send Invoice To:											
Address: 8305 6th St.				Project Manager: Henghan				Company: Chevron											
City/State/Zip: Wellington, CO, 80549				E-Mail: Chevron Dist. List, CDC Dist. List, Civitas Dist. List				Project Name/Location:											
Phone: 603-477-6907				Fremont Dist. List (fremontenv.com) paulH, ethanB, nickL, mikeG, jeffO, christL, stanG, aaronO				AFE#:											
Sampler Name: Ethan Black				Project Name: Noble Grigsby AC A-24				PO/Billing Codes:											
				Project Number:				Contact: Dan P.											
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, Naphthalene, TMBs	TPH (C6-C36)	PAH	SAR, EC, pH, Boron	Metals (Table 915-1)	TDS, Chloride, Sulfate	
1	Waste Char.	1/29/24		2			X			X			X	X	X	X	X	X	
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
Relinquished by: Ethan Black		Date/Time: 1/29/24 1620		Received by: S2 - North Office		Date/Time: 1/29/24 1620		TAT Business Days		Field DO		Notes:							
Relinquished by: S2		Date/Time: 1/29/24 1630		Received by: [Signature]		Date/Time: 1/29/24 1630		Same Day		Field EC									
								1 Day		Field ORP									
								2 Days		Field pH									
								3 Days		Field Temp.									
Relinquished by: [Signature]		Date/Time:		Received by:		Date/Time:		Standard		Field Turb.									
Temperature Upon Receipt: 11.7				Corrected Temperature: 6				IR gun #: 1				HNO3 lot #:							

S₂

Sample Receipt Checklist

S2 Work Order# 2401510Client: Fremont Client Project ID: Noble-Grigsby AC 19-62HNShipped Via: H.D./P.U./FedEx/UPS/USPS/Other ☐ Airbill #: ☐

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------	--------------------------	--------------------------

Matrix (Check all that apply) Air ☐ Soil/Solid ☒ Water ☐ Other ☐Temp (°C) 11.7Thermometer # 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.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>all ice</u>
If custody seals are present, are they intact? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are samples due within 48 hours present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>Same day</u>
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	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out Completely? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>no time stamps</u>
Is the COC properly relinquished by the client w/ date and time recorded? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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"/>	
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"/>	
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling)? ⁽¹⁾ Note the type of preservative in the comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2? ⁽¹⁾ Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any):				

⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.

AS

Custodian Printed Name

1/29/24
Date/Time



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC H-62Hz

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/01/24 13:12

Waste Char.
2401510-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	210	20	mg/kg	10000	BHA1025	01/29/24	01/29/24	EPA 8260B	
Toluene	500	50	"	"	"	"	"	"	
Ethylbenzene	200	50	"	"	"	"	"	"	
Xylenes (total)	710	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	270	50	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	40	0.50	"	100	"	"	01/30/24	"	
Naphthalene	46	0.38	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	15000	5000	"	10000	"	"	01/29/24	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4	0.0851	213 %	50-150	"	"	"	01/30/24	"	S-02
Surrogate: Toluene-d8	0.0561	140 %	50-150	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0543	136 %	50-150	"	"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
C10-C28 (DRO)	18000	500	mg/kg	10	BHA1023	01/29/24	01/29/24	EPA 8015M	
C28-C36 (ORO)	10000	500	"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: o-Terphenyl	12.3	98.2 %	30-150	"	"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC H-62Hz

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/01/24 13:12

Waste Char.
2401510-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Acenaphthene	3.99	0.500	mg/kg	100	BHA1034	01/30/24	01/30/24	EPA 8270D SIM	
Anthracene	2.16	0.500	"	"	"	"	"	"	
Benzo (a) anthracene	2.85	0.500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.500	"	"	"	"	"	"	R-01
Benzo (b) fluoranthene	ND	0.500	"	"	"	"	"	"	R-01
Benzo (k) fluoranthene	ND	0.500	"	"	"	"	"	"	R-01
Chrysene	2.69	0.500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.500	"	"	"	"	"	"	R-01
Fluoranthene	0.904	0.500	"	"	"	"	"	"	
Fluorene	16.4	0.500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.500	"	"	"	"	"	"	R-01
Pyrene	1.50	0.500	"	"	"	"	"	"	
1-Methylnaphthalene	195	10.0	"	2000	"	"	02/01/24	"	
2-Methylnaphthalene	252	10.0	"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 2-Methylnaphthalene-d10	0.00	%	40-150		"	"	01/30/24	"	S-01
Surrogate: Fluoranthene-d10	0.00	%	40-150		"	"	"	"	S-01

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHA1031	01/30/24	01/31/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC H-62Hz

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/01/24 13:12

Waste Char.
2401510-01 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Arsenic	1.78	0.200	mg/kg dry	1	BHA1047	01/30/24	01/31/24	EPA 6020B
Barium	30.5	0.400	"	"	"	"	"	"
Cadmium	ND	0.200	"	"	"	"	"	"
Copper	3.09	0.400	"	"	"	"	"	"
Lead	2.97	0.200	"	"	"	"	"	"
Nickel	2.40	0.400	"	"	"	"	"	"
Silver	ND	0.0200	"	"	"	"	"	"
Zinc	8.74	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHA1056	01/30/24	01/30/24	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	33.8	0.0500	mg/L dry	1	BHA1030	01/29/24	01/31/24	EPA 6020B	
Magnesium	7.03	0.0500	"	"	"	"	"	"	
Sodium	27.8	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	1.14	0.00100	units	1	BHB0015	02/01/24	02/01/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC H-62Hz

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/01/24 13:12

Waste Char.
2401510-01 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	92.4		%	1	BHA1046	01/30/24	01/31/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.343	0.0100	mmhos/cm	1	BHA1042	01/30/24	01/31/24	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.71		pH Units	1	BHA1041	01/30/24	01/31/24	EPA 9045D	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC H-62Hz

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/01/24 13:12

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BHA1025 - EPA 5030 Soil MS

Blank (BHA1025-BLK1)

Prepared: 01/29/24 Analyzed: 01/30/24

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	0.0398		"	0.0400		99.4	50-150			
Surrogate: Toluene-d8	0.0388		"	0.0400		96.9	50-150			
Surrogate: 4-Bromofluorobenzene	0.0412		"	0.0400		103	50-150			

LCS (BHA1025-BS1)

Prepared: 01/29/24 Analyzed: 01/30/24

Benzene	0.0937	0.0020	mg/kg	0.100		93.7	70-130			
Toluene	0.0873	0.0050	"	0.100		87.3	70-130			
Ethylbenzene	0.0884	0.0050	"	0.100		88.4	70-130			
m,p-Xylene	0.173	0.010	"	0.200		86.6	70-130			
o-Xylene	0.0892	0.0050	"	0.100		89.2	70-130			
1,2,4-Trimethylbenzene	0.0874	0.0050	"	0.100		87.4	70-130			
1,3,5-Trimethylbenzene	0.0856	0.0050	"	0.100		85.6	70-130			
Naphthalene	0.0984	0.0038	"	0.100		98.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0402		"	0.0400		100	50-150			
Surrogate: Toluene-d8	0.0382		"	0.0400		95.6	50-150			
Surrogate: 4-Bromofluorobenzene	0.0411		"	0.0400		103	50-150			

Matrix Spike (BHA1025-MS1)

Source: 2401511-01

Prepared: 01/29/24 Analyzed: 01/30/24

Benzene	0.0798	0.0020	mg/kg	0.100	ND	79.8	70-130			
Toluene	0.0741	0.0050	"	0.100	ND	74.1	70-130			
Ethylbenzene	0.0726	0.0050	"	0.100	ND	72.6	70-130			
m,p-Xylene	0.141	0.010	"	0.200	ND	70.7	70-130			
o-Xylene	0.0736	0.0050	"	0.100	ND	73.6	70-130			
1,2,4-Trimethylbenzene	0.0667	0.0050	"	0.100	ND	66.7	70-130			QM-07
1,3,5-Trimethylbenzene	0.0664	0.0050	"	0.100	ND	66.4	70-130			QM-07
Naphthalene	0.0606	0.0038	"	0.100	ND	60.6	70-130			QM-07
Surrogate: 1,2-Dichloroethane-d4	0.0418		"	0.0400		105	50-150			
Surrogate: Toluene-d8	0.0382		"	0.0400		95.5	50-150			
Surrogate: 4-Bromofluorobenzene	0.0425		"	0.0400		106	50-150			

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 - Grigsby AC H-62Hz

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/01/24 13:12

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BHA1025 - EPA 5030 Soil MS

Matrix Spike Dup (BHA1025-MSD1)	Source: 2401511-01			Prepared: 01/29/24 Analyzed: 01/30/24						
Benzene	0.0690	0.0020	mg/kg	0.100	ND	69.0	70-130	14.5	30	QM-07
Toluene	0.0663	0.0050	"	0.100	ND	66.3	70-130	11.2	30	QM-07
Ethylbenzene	0.0710	0.0050	"	0.100	ND	71.0	70-130	2.21	30	
m,p-Xylene	0.135	0.010	"	0.200	ND	67.7	70-130	4.33	30	QM-07
o-Xylene	0.0708	0.0050	"	0.100	ND	70.8	70-130	3.87	30	
1,2,4-Trimethylbenzene	0.0621	0.0050	"	0.100	ND	62.1	70-130	7.12	30	QM-07
1,3,5-Trimethylbenzene	0.0633	0.0050	"	0.100	ND	63.3	70-130	4.81	30	QM-07
Naphthalene	0.0479	0.0038	"	0.100	ND	47.9	70-130	23.4	30	QM-07
Surrogate: 1,2-Dichloroethane-d4	0.0411		"	0.0400		103	50-150			
Surrogate: Toluene-d8	0.0374		"	0.0400		93.6	50-150			
Surrogate: 4-Bromofluorobenzene	0.0428		"	0.0400		107	50-150			

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC H-62Hz

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/01/24 13:12

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch BHA1023 - EPA 3550A

Blank (BHA1023-BLK1)

Prepared: 01/29/24 Analyzed: 01/30/24

C10-C28 (DRO)	ND	50	mg/kg							
C28-C36 (ORO)	ND	50	"							
Surrogate: o-Terphenyl	18.3		"	12.5		146	30-150			

LCS (BHA1023-BS1)

Prepared: 01/29/24 Analyzed: 01/30/24

C10-C28 (DRO)	430	50	mg/kg	500		86.1	70-130			
Surrogate: o-Terphenyl	13.7		"	12.5		110	30-150			

Matrix Spike (BHA1023-MS1)

Source: 2401511-01

Prepared: 01/29/24 Analyzed: 01/30/24

C10-C28 (DRO)	405	50	mg/kg	500	ND	80.9	70-130			
Surrogate: o-Terphenyl	13.8		"	12.5		111	30-150			

Matrix Spike Dup (BHA1023-MSD1)

Source: 2401511-01

Prepared: 01/29/24 Analyzed: 01/30/24

C10-C28 (DRO)	422	50	mg/kg	500	ND	84.4	70-130	4.25	20	
Surrogate: o-Terphenyl	15.2		"	12.5		121	30-150			

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC H-62Hz

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/01/24 13:12

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BHA1034 - EPA 5030 Soil MS

Blank (BHA1034-BLK1)

Prepared & Analyzed: 01/30/24

Acenaphthene	ND	0.00500	mg/kg
Anthracene	ND	0.00500	"
Benzo (a) anthracene	ND	0.00500	"
Benzo (a) pyrene	ND	0.00500	"
Benzo (b) fluoranthene	ND	0.00500	"
Benzo (k) fluoranthene	ND	0.00500	"
Chrysene	ND	0.00500	"
Dibenz (a,h) anthracene	ND	0.00500	"
Fluoranthene	ND	0.00500	"
Fluorene	ND	0.00500	"
Indeno (1,2,3-cd) pyrene	ND	0.00500	"
Pyrene	ND	0.00500	"
1-Methylnaphthalene	ND	0.00500	"
2-Methylnaphthalene	ND	0.00500	"

Surrogate: 2-Methylnaphthalene-d10	0.0276	"	0.0333	82.9	40-150
Surrogate: Fluoranthene-d10	0.0283	"	0.0333	85.0	40-150

LCS (BHA1034-BS1)

Prepared & Analyzed: 01/30/24

Acenaphthene	0.0310	0.00500	mg/kg	0.0333	93.1	31-137
Anthracene	0.0299	0.00500	"	0.0333	89.7	30-120
Benzo (a) anthracene	0.0282	0.00500	"	0.0333	84.5	30-120
Benzo (a) pyrene	0.0301	0.00500	"	0.0333	90.2	30-120
Benzo (b) fluoranthene	0.0306	0.00500	"	0.0333	91.8	30-120
Benzo (k) fluoranthene	0.0320	0.00500	"	0.0333	96.1	30-120
Chrysene	0.0306	0.00500	"	0.0333	91.8	30-120
Dibenz (a,h) anthracene	0.0267	0.00500	"	0.0333	80.0	30-120
Fluoranthene	0.0337	0.00500	"	0.0333	101	30-120
Fluorene	0.0327	0.00500	"	0.0333	98.1	30-120
Indeno (1,2,3-cd) pyrene	0.0201	0.00500	"	0.0333	60.3	30-120
Pyrene	0.0308	0.00500	"	0.0333	92.3	35-142
1-Methylnaphthalene	0.0317	0.00500	"	0.0333	95.2	35-142
2-Methylnaphthalene	0.0351	0.00500	"	0.0333	105	35-142

Surrogate: 2-Methylnaphthalene-d10	0.0282	"	0.0333	84.6	40-150
Surrogate: Fluoranthene-d10	0.0341	"	0.0333	102	40-150

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC H-62Hz

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/01/24 13:12

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BHA1034 - EPA 5030 Soil MS

Matrix Spike (BHA1034-MS1)

Source: 2401511-01

Prepared & Analyzed: 01/30/24

Acenaphthene	0.0243	0.00500	mg/kg	0.0333	ND	73.0	31-137				
Anthracene	0.0238	0.00500	"	0.0333	ND	71.5	30-120				
Benzo (a) anthracene	0.0190	0.00500	"	0.0333	ND	57.1	30-120				
Benzo (a) pyrene	0.0234	0.00500	"	0.0333	ND	70.1	30-120				
Benzo (b) fluoranthene	0.0251	0.00500	"	0.0333	ND	75.3	30-120				
Benzo (k) fluoranthene	0.0257	0.00500	"	0.0333	ND	77.1	30-120				
Chrysene	0.0245	0.00500	"	0.0333	ND	73.4	30-120				
Dibenz (a,h) anthracene	0.0196	0.00500	"	0.0333	ND	58.8	30-120				
Fluoranthene	0.0277	0.00500	"	0.0333	ND	83.0	30-120				
Fluorene	0.0257	0.00500	"	0.0333	ND	77.1	30-120				
Indeno (1,2,3-cd) pyrene	0.0145	0.00500	"	0.0333	ND	43.5	30-120				
Pyrene	0.0237	0.00500	"	0.0333	ND	71.1	35-142				
1-Methylnaphthalene	0.0303	0.00500	"	0.0333	ND	91.0	15-130				
2-Methylnaphthalene	0.0327	0.00500	"	0.0333	ND	98.2	15-130				
Surrogate: 2-Methylnaphthalene-d10	0.0250		"	0.0333		74.9	40-150				
Surrogate: Fluoranthene-d10	0.0281		"	0.0333		84.4	40-150				

Matrix Spike Dup (BHA1034-MSD1)

Source: 2401511-01

Prepared & Analyzed: 01/30/24

Acenaphthene	0.0215	0.00500	mg/kg	0.0333	ND	64.4	31-137	12.4	30
Anthracene	0.0216	0.00500	"	0.0333	ND	64.7	30-120	9.95	30
Benzo (a) anthracene	0.0210	0.00500	"	0.0333	ND	62.9	30-120	9.60	30
Benzo (a) pyrene	0.0213	0.00500	"	0.0333	ND	63.9	30-120	9.24	30
Benzo (b) fluoranthene	0.0218	0.00500	"	0.0333	ND	65.4	30-120	14.0	30
Benzo (k) fluoranthene	0.0223	0.00500	"	0.0333	ND	66.9	30-120	14.3	30
Chrysene	0.0233	0.00500	"	0.0333	ND	69.9	30-120	4.96	30
Dibenz (a,h) anthracene	0.0233	0.00500	"	0.0333	ND	69.9	30-120	17.4	30
Fluoranthene	0.0226	0.00500	"	0.0333	ND	67.9	30-120	20.1	30
Fluorene	0.0223	0.00500	"	0.0333	ND	66.9	30-120	14.1	30
Indeno (1,2,3-cd) pyrene	0.0180	0.00500	"	0.0333	ND	53.9	30-120	21.3	30
Pyrene	0.0205	0.00500	"	0.0333	ND	61.5	35-142	14.4	30
1-Methylnaphthalene	0.0227	0.00500	"	0.0333	ND	68.1	15-130	28.8	50
2-Methylnaphthalene	0.0269	0.00500	"	0.0333	ND	80.7	15-130	19.6	50
Surrogate: 2-Methylnaphthalene-d10	0.0150		"	0.0333		45.0	40-150		
Surrogate: Fluoranthene-d10	0.0154		"	0.0333		46.3	40-150		

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC H-62Hz

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/01/24 13:12

Total Metals by EPA 6020B Hot Water Soluble Extraction - Quality Control
Summit Scientific

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

Batch BHA1031 - EPA 3050B

Blank (BHA1031-BLK1)

Prepared: 01/30/24 Analyzed: 01/31/24

Boron ND 2.00 mg/L

LCS (BHA1031-BS1)

Prepared: 01/30/24 Analyzed: 01/31/24

Boron 5.00 2.00 mg/L 5.00 100 80-120

Duplicate (BHA1031-DUP1)

Source: 2401434-01

Prepared: 01/30/24 Analyzed: 01/31/24

Boron 0.213 2.00 mg/L 0.0929 78.5 20 QR-01

Matrix Spike (BHA1031-MS1)

Source: 2401434-01

Prepared: 01/30/24 Analyzed: 01/31/24

Boron 10.2 2.00 mg/L 5.00 0.0929 203 75-125 QM-07

Matrix Spike Dup (BHA1031-MSD1)

Source: 2401434-01

Prepared: 01/30/24 Analyzed: 01/31/24

Boron 11.4 2.00 mg/L 5.00 0.0929 226 75-125 11.0 25 QM-07

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC H-62Hz

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/01/24 13:12

Total Metals by EPA 6020B - Quality Control

Summit Scientific

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

Batch BHA1047 - EPA 3050B

Blank (BHA1047-BLK1)

Prepared: 01/30/24 Analyzed: 01/31/24

Arsenic	ND	0.200	mg/kg wet
Barium	ND	0.400	"
Cadmium	ND	0.200	"
Copper	ND	0.400	"
Lead	ND	0.200	"
Nickel	ND	0.400	"
Silver	ND	0.0200	"
Zinc	ND	0.400	"
Selenium	ND	0.260	"

LCS (BHA1047-BS1)

Prepared: 01/30/24 Analyzed: 01/31/24

Arsenic	32.3	0.200	mg/kg wet	40.0	80.7	80-120
Barium	34.6	0.400	"	40.0	86.4	80-120
Cadmium	1.79	0.200	"	2.00	89.7	80-120
Copper	41.1	0.400	"	40.0	103	80-120
Lead	17.7	0.200	"	20.0	88.7	80-120
Nickel	40.3	0.400	"	40.0	101	80-120
Silver	1.79	0.0200	"	2.00	89.4	80-120
Zinc	40.7	0.400	"	40.0	102	80-120
Selenium	3.61	0.260	"	4.00	90.3	80-120

Duplicate (BHA1047-DUP1)

Source: 2401510-01

Prepared: 01/30/24 Analyzed: 01/31/24

Arsenic	1.46	0.200	mg/kg dry	1.78	20.0	20
Barium	34.5	0.400	"	30.5	12.1	20
Cadmium	0.148	0.200	"	0.152	2.88	20
Copper	3.38	0.400	"	3.09	9.10	20
Lead	2.38	0.200	"	2.97	21.8	20
Nickel	2.50	0.400	"	2.40	4.00	20
Silver	0.00649	0.0200	"	0.00563	14.3	20
Zinc	9.76	0.400	"	8.74	11.0	20
Selenium	ND	0.260	"	ND		20

QR-04

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC H-62Hz

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/01/24 13:12

Total Metals by EPA 6020B - Quality Control

Summit Scientific

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

Batch BHA1047 - EPA 3050B

Matrix Spike (BHA1047-MS1)

Source: 2401510-01

Prepared: 01/30/24 Analyzed: 01/31/24

Arsenic	36.2	0.200	mg/kg dry	43.3	1.78	79.5	75-125
Barium	66.9	0.400	"	43.3	30.5	84.0	75-125
Cadmium	2.09	0.200	"	2.16	0.152	89.5	75-125
Copper	38.1	0.400	"	43.3	3.09	81.0	75-125
Lead	21.4	0.200	"	21.6	2.97	85.1	75-125
Nickel	36.5	0.400	"	43.3	2.40	78.7	75-125
Silver	1.88	0.0200	"	2.16	0.00563	86.6	75-125
Zinc	44.2	0.400	"	43.3	8.74	82.0	75-125
Selenium	3.87	0.260	"	4.33	ND	89.3	75-125

Matrix Spike Dup (BHA1047-MSD1)

Source: 2401510-01

Prepared: 01/30/24 Analyzed: 01/31/24

Arsenic	35.9	0.200	mg/kg dry	43.3	1.78	78.9	75-125	0.718	25
Barium	66.9	0.400	"	43.3	30.5	84.0	75-125	0.00649	25
Cadmium	2.14	0.200	"	2.16	0.152	91.9	75-125	2.43	25
Copper	38.1	0.400	"	43.3	3.09	80.8	75-125	0.149	25
Lead	21.2	0.200	"	21.6	2.97	84.1	75-125	1.01	25
Nickel	36.5	0.400	"	43.3	2.40	78.8	75-125	0.101	25
Silver	1.91	0.0200	"	2.16	0.00563	88.2	75-125	1.73	25
Zinc	43.8	0.400	"	43.3	8.74	81.1	75-125	0.890	25
Selenium	3.69	0.260	"	4.33	ND	85.3	75-125	4.61	25

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC H-62Hz

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/01/24 13:12

Hexavalent Chromium by EPA Method 7196 - Quality Control
Summit Scientific

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

Batch BHA1056 - 3060A Mod

Blank (BHA1056-BLK1)

Prepared & Analyzed: 01/30/24

Chromium, Hexavalent ND 0.30 mg/kg wet

LCS (BHA1056-BS1)

Prepared & Analyzed: 01/30/24

Chromium, Hexavalent 23.3 0.30 mg/kg wet 25.0 93.2 80-120

Duplicate (BHA1056-DUP1)

Source: 2401156-04

Prepared & Analyzed: 01/30/24

Chromium, Hexavalent ND 0.30 mg/kg dry ND 20

Matrix Spike (BHA1056-MS1)

Source: 2401156-04

Prepared & Analyzed: 01/30/24

Chromium, Hexavalent 25.3 0.30 mg/kg dry 26.8 ND 94.6 75-125

Matrix Spike Dup (BHA1056-MSD1)

Source: 2401156-04

Prepared & Analyzed: 01/30/24

Chromium, Hexavalent 25.2 0.30 mg/kg dry 26.8 ND 94.0 75-125 0.636 20

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC H-62Hz

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/01/24 13:12

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction - Quality Control
Summit Scientific

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

Batch BHA1030 - General Preparation

Blank (BHA1030-BLK1)

Prepared: 01/29/24 Analyzed: 01/31/24

Calcium	ND	0.0500	mg/L wet
Magnesium	ND	0.0500	"
Sodium	ND	0.0500	"

LCS (BHA1030-BS1)

Prepared: 01/29/24 Analyzed: 01/31/24

Calcium	5.74	0.0500	mg/L wet	5.00	115	70-130
Magnesium	5.77	0.0500	"	5.00	115	70-130
Sodium	5.79	0.0500	"	5.00	116	70-130

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC H-62Hz

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/01/24 13:12

Physical Parameters by APHA/ASTM/EPA Methods - Quality Control

Summit Scientific

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

Batch BHA1046 - General Preparation

Duplicate (BHA1046-DUP1)		Source: 2401510-01		Prepared: 01/30/24 Analyzed: 01/31/24	
% Solids	91.9		%	92.4	0.537 20

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 - Grigsby AC H-62Hz

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/01/24 13:12

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction - Quality Control
Summit Scientific

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

Batch BHA1042 - General Preparation

Blank (BHA1042-BLK1)

Prepared: 01/30/24 Analyzed: 01/31/24

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BHA1042-BS1)

Prepared: 01/30/24 Analyzed: 01/31/24

Specific Conductance (EC) 0.150 0.0100 mmhos/cm 0.150 100 95-105

Duplicate (BHA1042-DUP1)

Source: 2401510-01

Prepared: 01/30/24 Analyzed: 01/31/24

Specific Conductance (EC) 0.344 0.0100 mmhos/cm 0.343 0.146 20

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 - Grigsby AC H-62Hz

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/01/24 13:12

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction - Quality Control
Summit Scientific

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

Batch BHA1041 - General Preparation

LCS (BHA1041-BS1)

Prepared: 01/30/24 Analyzed: 01/31/24

pH	9.28	pH Units	9.18	101	95-105
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Duplicate (BHA1041-DUP1)

Source: 2401510-01

Prepared: 01/30/24 Analyzed: 01/31/24

pH	7.73	pH Units	7.71	0.259	20
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Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC H-62Hz

Project Number: [none]
Project Manager: Paul Henehan

Reported:
02/01/24 13:12

Notes and Definitions

S-02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
S-01	The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.
R-01	The Reporting Limit for this analyte has been raised to account for matrix interference.
QR-04	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QR-01	Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit. QC batch accepted based on LCS and/or LCSD QC results.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS/LCSD recovery.
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

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

February 06, 2024

Paul Henchan

Fremont Environmental

PO Box 1289

Wellington, CO 80549

RE: Noble - Grigsby AC 19-62HN

Work Order #2401564

Enclosed are the results of analyses for samples received by Summit Scientific on 01/31/24 16:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Jacob Wood". The signature is written in a cursive, flowing style.

Jacob Wood For Paul Shrewsbury

President



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/06/24 15:42

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-01 6FT	2401564-01	Soil	01/31/24 00:00	01/31/24 16:30
SS-06 6FT	2401564-02	Soil	01/31/24 00:00	01/31/24 16:30
SS-07 6FT	2401564-03	Soil	01/31/24 00:00	01/31/24 16:30
SS-09 6FT	2401564-04	Soil	01/31/24 00:00	01/31/24 16:30
SS-14 6FT	2401564-05	Soil	01/31/24 00:00	01/31/24 16:30

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

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

Lab ID	Page	of
2401564		

Send Data To:		Send Invoice To:
Client: Fremont Environmental, Inc.	Project Manager: Henshan	Company: Chevron
Address: 8305 6th St.,	E-Mail: Chevron Dist. List, PDC Dist. List, Civitas Dist. List	Project Name/Location:
City/State/Zip: Wellington, CO, 80549	Fremont Dist. List (@fremontenv.com) paulH, ethanB, nickL, mikeG, JeffG, christL, stanG, aaronO	AFE#:
Phone: 603-477-6907	Project Name: Noble - Grigsby AC 19-62 HN	PO/Billing Codes:
Sampler Name: Ethan Black	Project Number:	Contact: Dan P.

					Preservative				Matrix		Analysis Requested							Special Instructions		
ID	Sample Description	Date Sampled	Time Sampled	# of containers	HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other	BTEX, Naphthalene, TMBs	TPH (C6-C36)	PAH	SAR, EC, pH, Boron	Metals (Table 915-1)	TDS, Chloride, Sulfate		
1	SS-01 6FT	1/31/24		2			X			X			X	X	X	X	X	X		
2	SS-06 6FT	I		I			I			I			I	I	I	I	I	I		
3	SS-07 6FT																			
4	SS-09 6FT																			
5	SS-14 6FT	I		I			I			I			I	I	I	I	I	I		
6																				
7																				
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				

Relinquished by: <i>Ethan Black</i>	Date/Time: 1/31/24 1555	Received by: S2 - North Office	Date/Time: 1/31/24 1555	TAT Business Days	Field DO	Notes:
				Same Day <input checked="" type="checkbox"/>	Field EC	
Relinquished by: S2	Date/Time: 1/31/24 1630	Received by: <i>[Signature]</i>	Date/Time: 1/31/24 1630	1 Day	Field ORP	
				2 Days	Field pH	
Relinquished by:	Date/Time:	Received by:	Date/Time:	3 Days	Field Temp.	
				Standard	Field Turb.	
Temperature Upon Receipt: 9.1	Corrected Temperature: 9	IR gun #:	1	HNO3 lot #:		

S₂

Sample Receipt Checklist

S2 Work Order# 2401564Client: FremontClient Project ID: Noble-Grigsby AC19-62 HNShipped Via: H.D./P.U./FedEx/UPS/USPS/Other ☐Airbill #:

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------	--------------------------	--------------------------

Matrix (Check all that apply)

Air ☐Soil/Solid ☒Water ☐Other ☐

Temp (°C)

9.1

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.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>on ICE</u>
If custody seals are present, are they intact? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are samples due within 48 hours present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>Same day</u>
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	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out Completely? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>no time stamps</u>
Is the COC properly relinquished by the client w/ date and time recorded? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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"/>	
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"/>	
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling)? ⁽¹⁾ Note the type of preservative in the comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2? ⁽¹⁾ Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any): 				
⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.				

Custodian Printed Name

Date/Time



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/06/24 15:42

SS-01 6FT
2401564-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	0.012	0.0020		mg/kg	1	BHA1127	01/31/24	02/01/24	EPA 8260B	
Toluene	ND	0.0050		"	"	"	"	"	"	
Ethylbenzene	ND	0.0050		"	"	"	"	"	"	
Xylenes (total)	0.016	0.010		"	"	"	"	"	"	
1,2,4-Trimethylbenzene	0.017	0.0050		"	"	"	"	"	"	
1,3,5-Trimethylbenzene	0.011	0.0050		"	"	"	"	"	"	
Naphthalene	0.0079	0.0038		"	"	"	"	"	"	
Gasoline Range Hydrocarbons	0.54	0.50		"	"	"	"	"	"	

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0439	110 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0393	98.3 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0400	100 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BHA1129	01/31/24	01/31/24	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	9.14	73.2 %		30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/06/24 15:42

SS-01 6FT
2401564-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHB0018	02/01/24	02/01/24	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0214	64.2 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0201	60.4 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHB0022	02/01/24	02/02/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/06/24 15:42

SS-01 6FT
2401564-01 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Arsenic	1.72	0.200	mg/kg dry	1	BHB0038	02/01/24	02/03/24	EPA 6020B
Barium	17.9	0.400	"	"	"	"	"	"
Cadmium	0.246	0.200	"	"	"	"	"	"
Copper	10.1	0.400	"	"	"	"	"	"
Lead	15.1	0.200	"	"	"	"	"	"
Nickel	5.20	0.400	"	"	"	"	"	"
Silver	0.0509	0.0200	"	"	"	"	"	"
Zinc	28.7	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHB0028	02/01/24	02/01/24	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	14.4	0.0500	mg/L dry	1	BHA1133	01/31/24	02/01/24	EPA 6020B	
Magnesium	13.6	0.0500	"	"	"	"	"	"	
Sodium	296	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	13.4	0.00100	units	1	BHB0114	02/05/24	02/05/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN

Project Number: [none]
Project Manager: Paul Henehan

Reported:
02/06/24 15:42

SS-01 6FT
2401564-01 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	80.2	%	1	BHB0066	02/02/24	02/05/24	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.52	0.0100	mmhos/cm	1	BHB0004	02/01/24	02/01/24	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.83		pH Units	1	BHB0003	02/01/24	02/01/24	EPA 9045D	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN

Project Number: [none]
Project Manager: Paul Henehan

Reported:
02/06/24 15:42

SS-06 6FT
2401564-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BHA1127	01/31/24	02/01/24	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: **01/31/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0441	110 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0377	94.3 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0393	98.2 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BHA1129	01/31/24	01/31/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl	7.95	63.6 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/06/24 15:42

SS-06 6FT
2401564-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHB0018	02/01/24	02/01/24	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0207	62.2 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0186	55.9 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHB0022	02/01/24	02/02/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/06/24 15:42

SS-06 6FT
2401564-02 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Arsenic	3.22	0.200	mg/kg dry	1	BHB0038	02/01/24	02/03/24	EPA 6020B
Barium	10.3	0.400	"	"	"	"	"	"
Cadmium	0.231	0.200	"	"	"	"	"	"
Copper	10.1	0.400	"	"	"	"	"	"
Lead	13.9	0.200	"	"	"	"	"	"
Nickel	5.51	0.400	"	"	"	"	"	"
Silver	0.0412	0.0200	"	"	"	"	"	"
Zinc	32.7	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHB0028	02/01/24	02/01/24	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	288	0.0500	mg/L dry	1	BHA1133	01/31/24	02/01/24	EPA 6020B	
Magnesium	165	0.0500	"	"	"	"	"	"	
Sodium	780	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	9.08	0.00100	units	1	BHB0114	02/05/24	02/05/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/06/24 15:42

SS-06 6FT
2401564-02 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	80.5	%	1	BHB0066	02/02/24	02/05/24	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	4.62	0.0100	mmhos/cm	1	BHB0004	02/01/24	02/01/24	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.64		pH Units	1	BHB0003	02/01/24	02/01/24	EPA 9045D	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN

Project Number: [none]
Project Manager: Paul Henehan

Reported:
02/06/24 15:42

SS-07 6FT
2401564-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BHA1127	01/31/24	02/01/24	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: **01/31/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0434	109 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0381	95.3 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0407	102 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BHA1129	01/31/24	02/01/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl	7.90	63.2 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/06/24 15:42

SS-07 6FT
2401564-03 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHB0018	02/01/24	02/01/24	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0222	66.5 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0215	64.4 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHB0022	02/01/24	02/02/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/06/24 15:42

SS-07 6FT
2401564-03 (Soil)

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Total Metals by EPA 6020B

Arsenic	4.20	0.200	mg/kg dry	1	BHB0038	02/01/24	02/03/24	EPA 6020B
Barium	13.1	0.400	"	"	"	"	"	"
Cadmium	0.261	0.200	"	"	"	"	"	"
Copper	7.39	0.400	"	"	"	"	"	"
Lead	9.17	0.200	"	"	"	"	"	"
Nickel	7.87	0.400	"	"	"	"	"	"
Silver	0.0345	0.0200	"	"	"	"	"	"
Zinc	44.9	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHB0028	02/01/24	02/01/24	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	13.4	0.0500	mg/L dry	1	BHA1133	01/31/24	02/01/24	EPA 6020B	
Magnesium	12.9	0.0500	"	"	"	"	"	"	
Sodium	167	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	7.81	0.00100	units	1	BHB0114	02/05/24	02/05/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/06/24 15:42

SS-07 6FT
2401564-03 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	81.2	%	1	BHB0066	02/02/24	02/05/24	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.942	0.0100	mmhos/cm	1	BHB0004	02/01/24	02/01/24	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.79		pH Units	1	BHB0003	02/01/24	02/01/24	EPA 9045D	

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/06/24 15:42

SS-09 6FT
2401564-04 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	0.016	0.0020	mg/kg	1	BHA1127	01/31/24	02/01/24	EPA 8260B	
Toluene	0.014	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.037	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	0.018	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	0.0087	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	0.52	0.50	"	"	"	"	"	"	

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.0449	112 %	50-150		"	"	"	"	
<i>Surrogate: Toluene-d8</i>	0.0385	96.2 %	50-150		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0413	103 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BHA1129	01/31/24	02/01/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
<i>Surrogate: o-Terphenyl</i>	8.60	68.8 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/06/24 15:42

SS-09 6FT
2401564-04 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Acenaphthene	ND	0.00500	mg/kg	1	BHB0018	02/01/24	02/01/24	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10	0.0213	63.9 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0194	58.3 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Boron	ND	2.00	mg/L	1	BHB0022	02/01/24	02/02/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							

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PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/06/24 15:42

SS-09 6FT
2401564-04 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Arsenic	5.30	0.200	mg/kg dry	1	BHB0038	02/01/24	02/03/24	EPA 6020B
Barium	23.8	0.400	"	"	"	"	"	"
Cadmium	0.328	0.200	"	"	"	"	"	"
Copper	12.0	0.400	"	"	"	"	"	"
Lead	15.1	0.200	"	"	"	"	"	"
Nickel	8.66	0.400	"	"	"	"	"	"
Silver	0.0521	0.0200	"	"	"	"	"	"
Zinc	49.1	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHB0028	02/01/24	02/01/24	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	8.36	0.0500	mg/L dry	1	BHA1133	01/31/24	02/01/24	EPA 6020B	
Magnesium	8.45	0.0500	"	"	"	"	"	"	
Sodium	356	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	20.8	0.00100	units	1	BHB0114	02/05/24	02/05/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN

Project Number: [none]
Project Manager: Paul Henehan

Reported:
02/06/24 15:42

SS-09 6FT
2401564-04 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	75.2	%	1	BHB0066	02/02/24	02/05/24	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.65	0.0100	mmhos/cm	1	BHB0004	02/01/24	02/01/24	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	9.76		pH Units	1	BHB0003	02/01/24	02/01/24	EPA 9045D	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/06/24 15:42

SS-14 6FT
2401564-05 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	0.0092	0.0020	mg/kg	1	BHA1127	01/31/24	02/01/24	EPA 8260B	
Toluene	0.016	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.015	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.060	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	0.024	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	0.012	0.0050	"	"	"	"	"	"	
Naphthalene	0.012	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	0.67	0.50	"	"	"	"	"	"	

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0439	110 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0398	99.4 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0386	96.5 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BHA1129	01/31/24	02/01/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl	8.24	65.9 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/06/24 15:42

SS-14 6FT
2401564-05 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Acenaphthene	ND	0.00500	mg/kg	1	BHB0018	02/01/24	02/01/24	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	0.00544	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	0.00684	0.00500	"	"	"	"	"	"	

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10	0.0155	46.4 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0161	48.4 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Boron	ND	2.00	mg/L	1	BHB0022	02/01/24	02/02/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/06/24 15:42

SS-14 6FT
2401564-05 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Arsenic	3.74	0.200	mg/kg dry	1	BHB0038	02/01/24	02/03/24	EPA 6020B
Barium	19.0	0.400	"	"	"	"	"	"
Cadmium	0.276	0.200	"	"	"	"	"	"
Copper	9.33	0.400	"	"	"	"	"	"
Lead	12.4	0.200	"	"	"	"	"	"
Nickel	7.38	0.400	"	"	"	"	"	"
Silver	0.0437	0.0200	"	"	"	"	"	"
Zinc	37.8	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHB0028	02/01/24	02/01/24	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	87.5	0.0500	mg/L dry	1	BHA1133	01/31/24	02/01/24	EPA 6020B	
Magnesium	71.4	0.0500	"	"	"	"	"	"	
Sodium	786	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	15.1	0.00100	units	1	BHB0114	02/05/24	02/05/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/06/24 15:42

SS-14 6FT
2401564-05 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	79.6	%	1	BHB0066	02/02/24	02/05/24	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	3.52	0.0100	mmhos/cm	1	BHB0004	02/01/24	02/01/24	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **01/31/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.94		pH Units	1	BHB0003	02/01/24	02/01/24	EPA 9045D	

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Project: Noble - Grigsby AC 19-62HN

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/06/24 15:42

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BHA1127 - EPA 5030 Soil MS

Blank (BHA1127-BLK1)

Prepared: 01/31/24 Analyzed: 02/01/24

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	0.0407		"	0.0400		102	50-150			
Surrogate: Toluene-d8	0.0394		"	0.0400		98.6	50-150			
Surrogate: 4-Bromofluorobenzene	0.0405		"	0.0400		101	50-150			

LCS (BHA1127-BS1)

Prepared: 01/31/24 Analyzed: 02/01/24

Benzene	0.0967	0.0020	mg/kg	0.100		96.7	70-130			
Toluene	0.0943	0.0050	"	0.100		94.3	70-130			
Ethylbenzene	0.0896	0.0050	"	0.100		89.6	70-130			
m,p-Xylene	0.177	0.010	"	0.200		88.7	70-130			
o-Xylene	0.0903	0.0050	"	0.100		90.3	70-130			
1,2,4-Trimethylbenzene	0.0813	0.0050	"	0.100		81.3	70-130			
1,3,5-Trimethylbenzene	0.0813	0.0050	"	0.100		81.3	70-130			
Naphthalene	0.0964	0.0038	"	0.100		96.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0426		"	0.0400		107	50-150			
Surrogate: Toluene-d8	0.0400		"	0.0400		100	50-150			
Surrogate: 4-Bromofluorobenzene	0.0382		"	0.0400		95.5	50-150			

Matrix Spike (BHA1127-MS1)

Source: 2401563-01

Prepared: 01/31/24 Analyzed: 02/01/24

Benzene	0.0802	0.0020	mg/kg	0.100	ND	80.2	70-130			
Toluene	0.0749	0.0050	"	0.100	ND	74.9	70-130			
Ethylbenzene	0.0721	0.0050	"	0.100	ND	72.1	70-130			
m,p-Xylene	0.141	0.010	"	0.200	ND	70.4	70-130			
o-Xylene	0.0723	0.0050	"	0.100	ND	72.3	70-130			
1,2,4-Trimethylbenzene	0.0700	0.0050	"	0.100	ND	70.0	70-130			
1,3,5-Trimethylbenzene	0.0721	0.0050	"	0.100	ND	72.1	70-130			
Naphthalene	0.0861	0.0038	"	0.100	ND	86.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0424		"	0.0400		106	50-150			
Surrogate: Toluene-d8	0.0392		"	0.0400		98.0	50-150			
Surrogate: 4-Bromofluorobenzene	0.0422		"	0.0400		105	50-150			

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Project: Noble - Grigsby AC 19-62HN

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/06/24 15:42

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BHA1127 - EPA 5030 Soil MS

Matrix Spike Dup (BHA1127-MSD1)	Source: 2401563-01			Prepared: 01/31/24 Analyzed: 02/01/24						
Benzene	0.0828	0.0020	mg/kg	0.100	ND	82.8	70-130	3.13	30	
Toluene	0.0799	0.0050	"	0.100	ND	79.9	70-130	6.43	30	
Ethylbenzene	0.0737	0.0050	"	0.100	ND	73.7	70-130	2.22	30	
m,p-Xylene	0.146	0.010	"	0.200	ND	72.8	70-130	3.35	30	
o-Xylene	0.0741	0.0050	"	0.100	ND	74.1	70-130	2.46	30	
1,2,4-Trimethylbenzene	0.0721	0.0050	"	0.100	ND	72.1	70-130	2.91	30	
1,3,5-Trimethylbenzene	0.0757	0.0050	"	0.100	ND	75.7	70-130	4.91	30	
Naphthalene	0.0913	0.0038	"	0.100	ND	91.3	70-130	5.78	30	
Surrogate: 1,2-Dichloroethane-d4	0.0452		"	0.0400		113	50-150			
Surrogate: Toluene-d8	0.0398		"	0.0400		99.5	50-150			
Surrogate: 4-Bromofluorobenzene	0.0393		"	0.0400		98.2	50-150			

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Project: Noble - Grigsby AC 19-62HN

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/06/24 15:42

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch BHA1129 - EPA 3550A

Blank (BHA1129-BLK1)

Prepared: 01/31/24 Analyzed: 02/01/24

C10-C28 (DRO)	ND	50	mg/kg							
C28-C36 (ORO)	ND	50	"							
Surrogate: o-Terphenyl	11.7		"	12.5		93.9	30-150			

LCS (BHA1129-BS1)

Prepared: 01/31/24 Analyzed: 02/01/24

C10-C28 (DRO)	438	50	mg/kg	500		87.5	70-130			
Surrogate: o-Terphenyl	8.54		"	12.5		68.3	30-150			

Matrix Spike (BHA1129-MS1)

Source: 2401563-01

Prepared: 01/31/24 Analyzed: 02/01/24

C10-C28 (DRO)	416	50	mg/kg	500	21.0	78.9	70-130			
Surrogate: o-Terphenyl	5.30		"	12.5		42.4	30-150			

Matrix Spike Dup (BHA1129-MSD1)

Source: 2401563-01

Prepared: 01/31/24 Analyzed: 02/01/24

C10-C28 (DRO)	395	50	mg/kg	500	21.0	74.8	70-130	5.13	20	
Surrogate: o-Terphenyl	5.69		"	12.5		45.5	30-150			

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Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/06/24 15:42

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BHB0018 - EPA 5030 Soil MS

Blank (BHB0018-BLK1)

Prepared & Analyzed: 02/01/24

Acenaphthene	ND	0.00500	mg/kg
Anthracene	ND	0.00500	"
Benzo (a) anthracene	ND	0.00500	"
Benzo (a) pyrene	ND	0.00500	"
Benzo (b) fluoranthene	ND	0.00500	"
Benzo (k) fluoranthene	ND	0.00500	"
Chrysene	ND	0.00500	"
Dibenz (a,h) anthracene	ND	0.00500	"
Fluoranthene	ND	0.00500	"
Fluorene	ND	0.00500	"
Indeno (1,2,3-cd) pyrene	ND	0.00500	"
Pyrene	ND	0.00500	"
1-Methylnaphthalene	ND	0.00500	"
2-Methylnaphthalene	ND	0.00500	"

Surrogate: 2-Methylnaphthalene-d10	0.0311	"	0.0333	93.2	40-150
Surrogate: Fluoranthene-d10	0.0342	"	0.0333	103	40-150

LCS (BHB0018-BS1)

Prepared & Analyzed: 02/01/24

Acenaphthene	0.0323	0.00500	mg/kg	0.0333	96.9	31-137
Anthracene	0.0305	0.00500	"	0.0333	91.5	30-120
Benzo (a) anthracene	0.0284	0.00500	"	0.0333	85.3	30-120
Benzo (a) pyrene	0.0327	0.00500	"	0.0333	98.2	30-120
Benzo (b) fluoranthene	0.0339	0.00500	"	0.0333	102	30-120
Benzo (k) fluoranthene	0.0370	0.00500	"	0.0333	111	30-120
Chrysene	0.0322	0.00500	"	0.0333	96.6	30-120
Dibenz (a,h) anthracene	0.0302	0.00500	"	0.0333	90.7	30-120
Fluoranthene	0.0367	0.00500	"	0.0333	110	30-120
Fluorene	0.0344	0.00500	"	0.0333	103	30-120
Indeno (1,2,3-cd) pyrene	0.0223	0.00500	"	0.0333	66.8	30-120
Pyrene	0.0337	0.00500	"	0.0333	101	35-142
1-Methylnaphthalene	0.0348	0.00500	"	0.0333	104	35-142
2-Methylnaphthalene	0.0367	0.00500	"	0.0333	110	35-142

Surrogate: 2-Methylnaphthalene-d10	0.0313	"	0.0333	93.9	40-150
Surrogate: Fluoranthene-d10	0.0369	"	0.0333	111	40-150

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PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/06/24 15:42

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BHB0018 - EPA 5030 Soil MS

Matrix Spike (BHB0018-MS1)			Source: 2401517-01		Prepared & Analyzed: 02/01/24					
Acenaphthene	0.0177	0.00500	mg/kg	0.0333	ND	53.2	31-137			QR-02
Anthracene	0.0190	0.00500	"	0.0333	ND	57.1	30-120			
Benzo (a) anthracene	0.0171	0.00500	"	0.0333	ND	51.4	30-120			
Benzo (a) pyrene	0.0180	0.00500	"	0.0333	ND	54.1	30-120			QR-02
Benzo (b) fluoranthene	0.0190	0.00500	"	0.0333	ND	57.0	30-120			
Benzo (k) fluoranthene	0.0210	0.00500	"	0.0333	ND	63.0	30-120			
Chrysene	0.0181	0.00500	"	0.0333	ND	54.4	30-120			
Dibenz (a,h) anthracene	0.0171	0.00500	"	0.0333	ND	51.2	30-120			
Fluoranthene	0.0200	0.00500	"	0.0333	ND	59.9	30-120			QR-02
Fluorene	0.0194	0.00500	"	0.0333	ND	58.2	30-120			QR-02
Indeno (1,2,3-cd) pyrene	0.0176	0.00500	"	0.0333	ND	52.9	30-120			QR-02
Pyrene	0.0203	0.00500	"	0.0333	ND	60.9	35-142			
1-Methylnaphthalene	0.0195	0.00500	"	0.0333	ND	58.5	15-130			
2-Methylnaphthalene	0.0214	0.00500	"	0.0333	ND	64.3	15-130			
Surrogate: 2-Methylnaphthalene-d10	0.0193		"	0.0333		57.9	40-150			
Surrogate: Fluoranthene-d10	0.0206		"	0.0333		61.7	40-150			

Matrix Spike Dup (BHB0018-MSD1)			Source: 2401517-01		Prepared & Analyzed: 02/01/24					
Acenaphthene	0.0242	0.00500	mg/kg	0.0333	ND	72.7	31-137	31.0	30	QR-02
Anthracene	0.0245	0.00500	"	0.0333	ND	73.4	30-120	25.1	30	
Benzo (a) anthracene	0.0220	0.00500	"	0.0333	ND	66.0	30-120	24.9	30	
Benzo (a) pyrene	0.0246	0.00500	"	0.0333	ND	73.7	30-120	30.7	30	QR-02
Benzo (b) fluoranthene	0.0256	0.00500	"	0.0333	ND	76.8	30-120	29.5	30	
Benzo (k) fluoranthene	0.0284	0.00500	"	0.0333	ND	85.1	30-120	29.8	30	
Chrysene	0.0241	0.00500	"	0.0333	ND	72.2	30-120	28.2	30	
Dibenz (a,h) anthracene	0.0204	0.00500	"	0.0333	ND	61.3	30-120	18.0	30	
Fluoranthene	0.0291	0.00500	"	0.0333	ND	87.2	30-120	37.1	30	QR-02
Fluorene	0.0267	0.00500	"	0.0333	ND	80.0	30-120	31.6	30	QR-02
Indeno (1,2,3-cd) pyrene	0.0264	0.00500	"	0.0333	ND	79.1	30-120	39.7	30	QR-02
Pyrene	0.0243	0.00500	"	0.0333	ND	73.0	35-142	18.1	30	
1-Methylnaphthalene	0.0288	0.00500	"	0.0333	ND	86.5	15-130	38.7	50	
2-Methylnaphthalene	0.0288	0.00500	"	0.0333	ND	86.5	15-130	29.4	50	
Surrogate: 2-Methylnaphthalene-d10	0.0255		"	0.0333		76.5	40-150			
Surrogate: Fluoranthene-d10	0.0298		"	0.0333		89.5	40-150			

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/06/24 15:42

Total Metals by EPA 6020B Hot Water Soluble Extraction - Quality Control
Summit Scientific

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

Batch BHB0022 - EPA 3050B

Blank (BHB0022-BLK1)

Prepared: 02/01/24 Analyzed: 02/02/24

Boron ND 2.00 mg/L

LCS (BHB0022-BS1)

Prepared: 02/01/24 Analyzed: 02/02/24

Boron 4.31 2.00 mg/L 5.00 86.2 80-120

Duplicate (BHB0022-DUP1)

Source: 2401562-01

Prepared: 02/01/24 Analyzed: 02/02/24

Boron 0.649 2.00 mg/L 0.674 3.80 20

Matrix Spike (BHB0022-MS1)

Source: 2401562-01

Prepared: 02/01/24 Analyzed: 02/02/24

Boron 4.91 2.00 mg/L 5.00 0.674 84.7 75-125

Matrix Spike Dup (BHB0022-MSD1)

Source: 2401562-01

Prepared: 02/01/24 Analyzed: 02/02/24

Boron 4.48 2.00 mg/L 5.00 0.674 76.1 75-125 9.21 25

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/06/24 15:42

Total Metals by EPA 6020B - Quality Control

Summit Scientific

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

Batch BHB0038 - EPA 3050B

Blank (BHB0038-BLK1)

Prepared: 02/01/24 Analyzed: 02/03/24

Arsenic	ND	0.200	mg/kg wet
Barium	ND	0.400	"
Cadmium	ND	0.200	"
Copper	ND	0.400	"
Lead	ND	0.200	"
Nickel	ND	0.400	"
Silver	ND	0.0200	"
Zinc	ND	0.400	"
Selenium	ND	0.260	"

LCS (BHB0038-BS1)

Prepared: 02/01/24 Analyzed: 02/03/24

Arsenic	37.3	0.200	mg/kg wet	40.0	93.2	80-120
Barium	32.3	0.400	"	40.0	80.8	80-120
Cadmium	1.73	0.200	"	2.00	86.6	80-120
Copper	39.8	0.400	"	40.0	99.4	80-120
Lead	17.2	0.200	"	20.0	85.8	80-120
Nickel	38.7	0.400	"	40.0	96.8	80-120
Silver	1.72	0.0200	"	2.00	86.2	80-120
Zinc	40.5	0.400	"	40.0	101	80-120
Selenium	4.09	0.260	"	4.00	102	80-120

Duplicate (BHB0038-DUP1)

Source: 2401492-01

Prepared: 02/01/24 Analyzed: 02/03/24

Arsenic	2.06	0.200	mg/kg dry	2.28	10.1	20
Barium	58.4	0.400	"	58.0	0.630	20
Cadmium	0.117	0.200	"	0.124	6.13	20
Copper	3.58	0.400	"	3.67	2.47	20
Lead	4.98	0.200	"	5.16	3.62	20
Nickel	4.79	0.400	"	4.76	0.607	20
Silver	0.0308	0.0200	"	0.0334	8.11	20
Zinc	16.1	0.400	"	15.7	2.79	20
Selenium	ND	0.260	"	ND		20

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Project: Noble - Grigsby AC 19-62HN

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/06/24 15:42

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BHB0038 - EPA 3050B

Matrix Spike (BHB0038-MS1)

Source: 2401492-01

Prepared: 02/01/24 Analyzed: 02/03/24

Arsenic	31.3	0.200	mg/kg dry	43.3	2.28	67.0	75-125			QM-07
Barium	85.9	0.400	"	43.3	58.0	64.3	75-125			QM-07
Cadmium	1.87	0.200	"	2.17	0.124	80.7	75-125			
Copper	29.7	0.400	"	43.3	3.67	60.2	75-125			QM-07
Lead	21.5	0.200	"	21.7	5.16	75.3	75-125			
Nickel	30.6	0.400	"	43.3	4.76	59.6	75-125			QM-07
Silver	1.73	0.0200	"	2.17	0.0334	78.4	75-125			
Zinc	42.6	0.400	"	43.3	15.7	62.2	75-125			QM-07
Selenium	2.48	0.260	"	4.33	ND	57.3	75-125			QM-07

Matrix Spike Dup (BHB0038-MSD1)

Source: 2401492-01

Prepared: 02/01/24 Analyzed: 02/03/24

Arsenic	32.7	0.200	mg/kg dry	43.3	2.28	70.2	75-125	4.31	25	QM-07
Barium	88.0	0.400	"	43.3	58.0	69.1	75-125	2.38	25	QM-07
Cadmium	1.95	0.200	"	2.17	0.124	84.4	75-125	4.26	25	
Copper	32.1	0.400	"	43.3	3.67	65.5	75-125	7.52	25	QM-07
Lead	22.3	0.200	"	21.7	5.16	79.2	75-125	3.86	25	
Nickel	33.0	0.400	"	43.3	4.76	65.3	75-125	7.71	25	QM-07
Silver	1.79	0.0200	"	2.17	0.0334	80.9	75-125	3.13	25	
Zinc	46.3	0.400	"	43.3	15.7	70.6	75-125	8.21	25	QM-07
Selenium	2.56	0.260	"	4.33	ND	59.2	75-125	3.19	25	QM-07

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PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/06/24 15:42

Hexavalent Chromium by EPA Method 7196 - Quality Control
Summit Scientific

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

Batch BHB0028 - 3060A Mod

Blank (BHB0028-BLK1)

Prepared & Analyzed: 02/01/24

Chromium, Hexavalent ND 0.30 mg/kg wet

LCS (BHB0028-BS1)

Prepared & Analyzed: 02/01/24

Chromium, Hexavalent 23.1 0.30 mg/kg wet 25.0 92.4 80-120

Duplicate (BHB0028-DUP1)

Source: 2401523-01

Prepared & Analyzed: 02/01/24

Chromium, Hexavalent ND 0.30 mg/kg wet ND 20

Matrix Spike (BHB0028-MS1)

Source: 2401523-01

Prepared & Analyzed: 02/01/24

Chromium, Hexavalent 22.0 0.30 mg/kg wet 25.0 ND 87.8 75-125

Matrix Spike Dup (BHB0028-MSD1)

Source: 2401523-01

Prepared & Analyzed: 02/01/24

Chromium, Hexavalent 22.0 0.30 mg/kg wet 25.0 ND 88.0 75-125 0.228 20

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 - Grigsby AC 19-62HN

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/06/24 15:42

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction - Quality Control

Summit Scientific

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

Batch BHA1133 - General Preparation

Blank (BHA1133-BLK1)

Prepared: 01/31/24 Analyzed: 02/01/24

Calcium	ND	0.0500	mg/L wet
Magnesium	ND	0.0500	"
Sodium	ND	0.0500	"

LCS (BHA1133-BS1)

Prepared: 01/31/24 Analyzed: 02/01/24

Calcium	5.05	0.0500	mg/L wet	5.00	101	70-130
Magnesium	5.10	0.0500	"	5.00	102	70-130
Sodium	5.16	0.0500	"	5.00	103	70-130

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/06/24 15:42

Physical Parameters by APHA/ASTM/EPA Methods - Quality Control

Summit Scientific

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

Batch BHB0066 - General Preparation

Duplicate (BHB0066-DUP1)		Source: 2401564-01		Prepared: 02/02/24 Analyzed: 02/05/24	
% Solids	79.7		%	80.2	0.598 20

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 - Grigsby AC 19-62HN

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/06/24 15:42

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction - Quality Control
Summit Scientific

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

Batch BHB0004 - General Preparation

Blank (BHB0004-BLK1)

Prepared & Analyzed: 02/01/24

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BHB0004-BS1)

Prepared & Analyzed: 02/01/24

Specific Conductance (EC) 0.144 0.0100 mmhos/cm 0.150 96.0 95-105

Duplicate (BHB0004-DUP1)

Source: 2401560-01

Prepared & Analyzed: 02/01/24

Specific Conductance (EC) 0.378 0.0100 mmhos/cm 0.378 0.0529 20

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/06/24 15:42

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction - Quality Control
Summit Scientific

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

Batch BHB0003 - General Preparation

LCS (BHB0003-BS1)

Prepared & Analyzed: 02/01/24

pH	9.26	pH Units	9.18	101	95-105
----	------	----------	------	-----	--------

Duplicate (BHB0003-DUP1)

Source: 2401562-01

Prepared & Analyzed: 02/01/24

pH	9.07	pH Units	9.06	0.110	20
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Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/06/24 15:42

Notes and Definitions

QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

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

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

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

April 12, 2024

Paul Henchan

Fremont Environmental

PO Box 1289

Wellington, CO 80549

RE: Noble - Grigsby AC 19-62HN

Work Order #2404199

Enclosed are the results of analyses for samples received by Summit Scientific on 04/11/24 16:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', with a stylized, cursive script.

Paul Shrewsbury

President



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN

Project Number: CO24-022
Project Manager: Paul Henchan

Reported:
04/12/24 06:52

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS39 6FT	2404199-01	Soil	04/10/24 00:00	04/11/24 16:30
SS40 6FT	2404199-02	Soil	04/10/24 00:00	04/11/24 16:30
SS41 6FT	2404199-03	Soil	04/10/24 00:00	04/11/24 16:30
SS42 6FT	2404199-04	Soil	04/10/24 00:00	04/11/24 16:30
SS43 6FT	2404199-05	Soil	04/10/24 00:00	04/11/24 16:30
SS44 6FT	2404199-06	Soil	04/11/24 00:00	04/11/24 16:30
SS45 6FT	2404199-07	Soil	04/11/24 00:00	04/11/24 16:30
SS46 6FT	2404199-08	Soil	04/11/24 00:00	04/11/24 16:30
SS47 6FT	2404199-09	Soil	04/11/24 00:00	04/11/24 16:30
SS48 10FT	2404199-10	Soil	04/11/24 00:00	04/11/24 16:30

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.

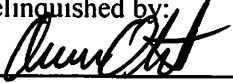

SUMMIT SCIENTIFIC

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

Lab ID	Page 1 of 2
2404199.1	

Send Data To:		Send Invoice To:	
Client: Fremont Environmental	Project Manager: Paul Henehan	Company: Noble / Chemun	
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: Grigsby AC19-62 HN	PO/Billing Codes:	
Sampler Name: Aaron Otillar	Project Number: C024-022	Contact: Dan Peterson	

					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	SS39	6FT	4/10/24		2			X		X	X			X	X	X	X	X	X		
2	SS40	6FT																			
3	SS41	6FT																			
4	SS42	6FT																			
5	SS43	6FT																			
6	SS44	6FT	4/11/24																		
7	SS45	6FT																			
8	SS46	6FT																			
9	SS47	6FT																			
10	SS48	10FT																			
11	BKG01	3FT	4/10/24		1													X	X		
12	BKG01	6FT																			
13	BKG02	3FT																			
14	BKG02	6FT																			
15	BKG03	3FT																			

Relinquished by: 	Date/Time: 4/11/24 1620	Received by: Summit North Office	Date/Time: 4/11/24 1620	TAT Business Days	Field DO	Notes:
				Same Day	Field EC	
Relinquished by: 52	Date/Time: 4/12/24 1630	Received by: 	Date/Time: 4/12/24 1630	1 Day	Field ORP	
				2 Days	Field pH	
Relinquished by:	Date/Time:	Received by:	Date/Time:	3 Days	Field Temp.	
				Standard	Field Turb.	
Temperature Upon Receipt: 11.7		Corrected Temperature: 12		IR gun #: 1	HNO3 lot #:	

SUMMIT SCIENTIFIC

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

Lab ID	Page <u>2</u> of <u>2</u>
<u>2404199.2</u>	

Client: Fremont Environmental		Send Data To:		Send Invoice To:	
Address: 8305 6th Street		Project Manager: Paul Henehan		Company: <u>Noble / Chevron</u>	
City/State/Zip: Wellington, CO, 80549		E-Mail: Fremont Distribution List		Project Name/Location:	
Phone: 603-477-6907		Project Name: <u>Grigsby AC19-62 HN</u>		AFE#:	
Sampler Name: Aaron Otillar		Project Number: <u>CO24-022</u>		PO/Billing Codes:	
				Contact: <u>Don Peterson</u>	

					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	BKG03 6Ft	4/10/24		1			X			X							X	X			
2	BKG04 3Ft	—		—			—			—							—	—			
3	BKG04 6Ft	—		—			—			—							—	—			
4	BKG05 3Ft	—		—			—			—							—	—			
5	BKG05 6Ft	—		—			—			—							—	—			
6																					
7																					
8																					
9																					
10																					
11																					
12																					
13																					
14																					
15																					

Relinquished by: <u>Aaron Otillar</u>	Date/Time: <u>4/11/24 1620</u>	Received by: <u>Summit North Office</u>	Date/Time: <u>4/11/24 1620</u>	TAT Business Days	Field DO	Notes:
				Same Day <input checked="" type="checkbox"/>	Field EC	
Relinquished by: <u>52</u>	Date/Time: <u>4/11/24 1030</u>	Received by: <u>[Signature]</u>	Date/Time: <u>4/11/24 1030</u>	1 Day	Field ORP	
				2 Days	Field pH	
Relinquished by:	Date/Time:	Received by:	Date/Time:	3 Days	Field Temp.	
				Standard	Field Turb.	
Temperature Upon Receipt: <u>11.7</u>		Corrected Temperature <u>9</u>		IR gun #: <u>/</u>		HNO3 lot #: <u></u>

S₂

2/2
Sample Receipt Checklist

S2 Work Order# 2404199

Client: Fremont Client Project ID: Grigsby Ac 19-62HNShipped Via: H.D./P.U./FedEx/UPS/USPS/Other ☐ Airbill #:

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
--------------------------	--------------------------	--------------------------	--------------------------	--------------------------

Matrix (Check all that apply) Air ☐ Soil ☒ Solid ☐ Water ☐ Other ☐Temp (°C) 11.7 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.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If custody seals are present, are they intact? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	on 70E
Are samples due within 48 hours present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sameday
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	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out Completely? ⁽¹⁾	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	no sample times
Is the COC properly relinquished by the client w/ date and time recorded? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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"/>	
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"/>	
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling)? ⁽¹⁾ Note the type of preservative in the comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2? ⁽¹⁾ Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any):				

⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.

AS
Custodian Printed Name

4/11/24
Date/Time

345



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN

Project Number: CO24-022
Project Manager: Paul Henchan

Reported:
04/12/24 06:52

SS39 6FT
2404199-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/10/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BHD0380	04/11/24	04/11/24	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: **04/10/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0406	102 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0398	99.4 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0385	96.2 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/10/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BHD0381	"	04/11/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/10/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl	10.4	83.1 %	30-150		"	"	"	"	

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 - Grigsby AC 19-62HN

Project Number: CO24-022
Project Manager: Paul Henchan

Reported:
04/12/24 06:52

SS40 6FT
2404199-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/10/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BHD0380	04/11/24	04/11/24	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: **04/10/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0434	108 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0399	99.8 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0392	98.0 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/10/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BHD0381	"	04/11/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/10/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl	12.3	98.6 %	30-150		"	"	"	"	

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 - Grigsby AC 19-62HN

Project Number: CO24-022
Project Manager: Paul Henchan

Reported:
04/12/24 06:52

SS41 6FT
2404199-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/10/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BHD0380	04/11/24	04/11/24	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: **04/10/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0419	105 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0406	102 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0388	96.9 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/10/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BHD0381	"	04/11/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/10/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl	12.8	102 %	30-150		"	"	"	"	

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 - Grigsby AC 19-62HN
Project Number: CO24-022
Project Manager: Paul Henchan

Reported:
04/12/24 06:52

SS42 6FT
2404199-04 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/10/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BHD0380	04/11/24	04/11/24	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: **04/10/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0404	101 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0398	99.4 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0388	96.9 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/10/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BHD0381	"	04/11/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/10/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl	11.3	90.4 %	30-150		"	"	"	"	

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 - Grigsby AC 19-62HN

Project Number: CO24-022
Project Manager: Paul Henchan

Reported:
04/12/24 06:52

SS43 6FT
2404199-05 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/10/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BHD0380	04/11/24	04/11/24	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: **04/10/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0414	104 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0413	103 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0391	97.6 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/10/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BHD0381	"	04/11/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/10/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl	7.21	57.7 %	30-150		"	"	"	"	

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN

Project Number: CO24-022
Project Manager: Paul Henchan

Reported:
04/12/24 06:52

SS44 6FT
2404199-06 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/11/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BHD0380	04/11/24	04/11/24	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: **04/11/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0434	109 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0410	103 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0387	96.7 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/11/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BHD0381	"	04/11/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/11/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl	10.1	81.0 %	30-150		"	"	"	"	

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Project: Noble - Grigsby AC 19-62HN

Project Number: CO24-022
Project Manager: Paul Henchan

Reported:
04/12/24 06:52

SS45 6FT
2404199-07 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/11/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BHD0380	04/11/24	04/11/24	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: **04/11/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0404	101 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0401	100 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0392	98.0 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/11/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BHD0381	"	04/11/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/11/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl	12.2	97.3 %	30-150		"	"	"	"	

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Project: Noble - Grigsby AC 19-62HN
Project Number: CO24-022
Project Manager: Paul Henchan

Reported:
04/12/24 06:52

SS46 6FT
2404199-08 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/11/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BHD0380	04/11/24	04/11/24	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: **04/11/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0402	100 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0395	98.8 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0391	97.6 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/11/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BHD0381	"	04/11/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/11/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl	10.9	86.8 %	30-150		"	"	"	"	

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Project: Noble - Grigsby AC 19-62HN

Project Number: CO24-022
Project Manager: Paul Henchan

Reported:
04/12/24 06:52

SS47 6FT
2404199-09 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/11/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BHD0380	04/11/24	04/11/24	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: **04/11/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0458	115 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0401	100 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0384	96.1 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/11/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BHD0381	"	04/12/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/11/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl	11.1	88.8 %	30-150		"	"	"	"	

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PO Box 1289
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Project: Noble - Grigsby AC 19-62HN

Project Number: CO24-022
Project Manager: Paul Henchan

Reported:
04/12/24 06:52

SS48 10FT
2404199-10 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/11/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BHD0380	04/11/24	04/12/24	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: **04/11/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0447	112 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0403	101 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0399	99.8 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/11/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BHD0381	"	04/12/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/11/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl	11.3	90.2 %	30-150		"	"	"	"	

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Project: Noble - Grigsby AC 19-62HN

Project Number: CO24-022
Project Manager: Paul Henchan

Reported:
04/12/24 06:52

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BHD0380 - EPA 5030 Soil MS

Blank (BHD0380-BLK1)

Prepared: 04/11/24 Analyzed: 04/12/24

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	0.0400		"	0.0400		100	50-150			
Surrogate: 4-Bromofluorobenzene	0.0388		"	0.0400		97.0	50-150			

LCS (BHD0380-BS1)

Prepared: 04/11/24 Analyzed: 04/12/24

Benzene	0.109	0.0020	mg/kg	0.100		109	70-130			
Toluene	0.103	0.0050	"	0.100		103	70-130			
Ethylbenzene	0.115	0.0050	"	0.100		115	70-130			
m,p-Xylene	0.225	0.010	"	0.200		113	70-130			
o-Xylene	0.107	0.0050	"	0.100		107	70-130			
1,2,4-Trimethylbenzene	0.0997	0.0050	"	0.100		99.7	70-130			
1,3,5-Trimethylbenzene	0.102	0.0050	"	0.100		102	70-130			
Naphthalene	0.0918	0.0038	"	0.100		91.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0413		"	0.0400		103	50-150			
Surrogate: Toluene-d8	0.0404		"	0.0400		101	50-150			
Surrogate: 4-Bromofluorobenzene	0.0371		"	0.0400		92.8	50-150			

Matrix Spike (BHD0380-MS1)

Source: 2404199-01

Prepared: 04/11/24 Analyzed: 04/12/24

Benzene	0.0881	0.0020	mg/kg	0.100	ND	88.1	70-130			
Toluene	0.0840	0.0050	"	0.100	ND	84.0	70-130			
Ethylbenzene	0.0916	0.0050	"	0.100	ND	91.6	70-130			
m,p-Xylene	0.181	0.010	"	0.200	ND	90.4	70-130			
o-Xylene	0.0844	0.0050	"	0.100	ND	84.4	70-130			
1,2,4-Trimethylbenzene	0.0809	0.0050	"	0.100	ND	80.9	70-130			
1,3,5-Trimethylbenzene	0.0829	0.0050	"	0.100	ND	82.9	70-130			
Naphthalene	0.0794	0.0038	"	0.100	ND	79.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0441		"	0.0400		110	50-150			
Surrogate: Toluene-d8	0.0405		"	0.0400		101	50-150			
Surrogate: 4-Bromofluorobenzene	0.0398		"	0.0400		99.6	50-150			

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Project: Noble - Grigsby AC 19-62HN
Project Number: CO24-022
Project Manager: Paul Henchan

Reported:
04/12/24 06:52

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

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

Batch BHD0380 - EPA 5030 Soil MS

Matrix Spike Dup (BHD0380-MSD1)		Source: 2404199-01			Prepared: 04/11/24 Analyzed: 04/12/24					
Benzene	0.0782	0.0020	mg/kg	0.100	ND	78.2	70-130	11.8	30	
Toluene	0.0742	0.0050	"	0.100	ND	74.2	70-130	12.4	30	
Ethylbenzene	0.0811	0.0050	"	0.100	ND	81.1	70-130	12.2	30	
m,p-Xylene	0.160	0.010	"	0.200	ND	80.0	70-130	12.2	30	
o-Xylene	0.0758	0.0050	"	0.100	ND	75.8	70-130	10.8	30	
1,2,4-Trimethylbenzene	0.0697	0.0050	"	0.100	ND	69.7	70-130	14.9	30	QM-07
1,3,5-Trimethylbenzene	0.0717	0.0050	"	0.100	ND	71.7	70-130	14.5	30	
Naphthalene	0.0677	0.0038	"	0.100	ND	67.7	70-130	15.9	30	QM-07
Surrogate: 1,2-Dichloroethane-d4		0.0453	"	0.0400		113	50-150			
Surrogate: Toluene-d8		0.0404	"	0.0400		101	50-150			
Surrogate: 4-Bromofluorobenzene		0.0395	"	0.0400		98.8	50-150			

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Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN

Project Number: CO24-022
Project Manager: Paul Henchan

Reported:
04/12/24 06:52

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch BHD0381 - EPA 3550A

Blank (BHD0381-BLK1)

Prepared: 04/11/24 Analyzed: 04/12/24

C10-C28 (DRO)	ND	50	mg/kg							
C28-C36 (ORO)	ND	50	"							
Surrogate: o-Terphenyl	18.0		"	12.5		144	30-150			

LCS (BHD0381-BS1)

Prepared: 04/11/24 Analyzed: 04/12/24

C10-C28 (DRO)	453	50	mg/kg	500		90.5	70-130			
Surrogate: o-Terphenyl	14.2		"	12.5		113	30-150			

Matrix Spike (BHD0381-MS1)

Source: 2404199-01

Prepared: 04/11/24 Analyzed: 04/12/24

C10-C28 (DRO)	625	50	mg/kg	500	22.2	121	70-130			
Surrogate: o-Terphenyl	13.5		"	12.5		108	30-150			

Matrix Spike Dup (BHD0381-MSD1)

Source: 2404199-01

Prepared: 04/11/24 Analyzed: 04/12/24

C10-C28 (DRO)	538	50	mg/kg	500	22.2	103	70-130	15.0	20	
Surrogate: o-Terphenyl	11.2		"	12.5		89.2	30-150			

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PO Box 1289
Wellington CO, 80549

Project: Noble - Grigsby AC 19-62HN

Project Number: CO24-022
Project Manager: Paul Henchan

Reported:
04/12/24 06:52

Notes and Definitions

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