

FREMONT ENVIRONMENTAL INC.

June 10, 2024

Mr. Daniel Peterson
Noble Energy Inc.
2115 117th Avenue
Greeley, CO 80634

Subject: **Flowline Closure Data Submittal**
UPV 5-5H3
API # 05-123-18860
SWNW Sec. 5, T5N, R63W
Weld County, Colorado
Fremont Project No. C024-072
Facility ID #251057, Remediation #30272

Dear Mr. Peterson:

As you requested, Fremont Environmental Inc. (Fremont) personnel conducted Flowline Closure activities for the Noble Energy Inc. (Noble) UPV 5-5H3. Impacted soil was not encountered during abandonment activities. Details of the UPV 5-5H3 flowline closure activities are documented in the attached Closure Report. Groundwater was not encountered during flowline abandonment activities.

Please contact me at (303) 956-8714 if you require any additional information. Fremont appreciates the opportunity to provide this service.

Sincerely,

FREMONT ENVIRONMENTAL INC.



Paul V. Henehan, P.E.
Senior Consultant

Attachments:

- Facility Closure Checklist
- Tables
- Figures
- Photos
- Laboratory Reports

Flowline Closure Checklist

COGCC Rule 911.a.(4) Environmental Site Closure Assessment Field Form

Additional Attachments:		Tank Battery Closure		Wellhead Closure		Pit Closure		Partially Buried Vault Closure	
Site Name & COGCC Facility Number: UPV T5N-R63W-S5 L01 Facility: 330318		Date: 04/02/2024-04/03/2024				Remediation Project #: 30272			
Associated Wells: UPV 5-5H3 Facility ID: 251057 API: 05-123-18860		Age of Site: 1995				Number of Photos Attached: 12 Photos			

Starting point: (GPS coordinates and descriptions) 40.429766, -104.4677934

End point: (GPS coordinates and descriptions) 40.4339265, -104.4658365

USCS Soil Type: SW Estimated Depth to Groundwater: N/A

Hydrocarbon Impacted Soils / Spills: (Note estimated size and if impact appears to be surficial or extends to an unknown depth)
None observed

Salt Crusted Soils or Impacted Vegetation: (Note estimated size and if impact appears to be surficial or extends to an unknown depth)
None observed

Flowlines

Flowline type	2" Steel							
Depth	Roughly 3-4ft							
Age	1995							
Length	1,620ft							
Construction Material	Yellow Jacket							
Were flowlines pulled?	Yes							
Visual Integrity of lines	No Damage							
Visual impacts if trenched	N/A							
PID Readings if trenched	N/A							
Sample taken? Location/Sample ID#	FL01@5.0' FL08@5.0'							
Photo Number(s)	Photo 1A-1G & 2A-2E							

Other observations regarding on location flowlines:
An exceedance in pH and arsenic was discovered at both the wellhead and separator flowline riser tie-in sample locations (FL01@5.0' & FL08@5.0'). Additionally, several local background samples were found exceeding in pH and all local background samples were found exceeding in arsenic. Refer to the inorganic soil chemistry table (Table 4) and metals in soil chemistry table (Table 5) for reference.

Summary

Was impacted soil identified?		No	Yes - less than 10 cubic yards	Yes - more than 10 cubic yards
Total number of samples field screened: 6 Samples		Total number of samples collected: 23 Samples		
Highest PID Reading: High @ 0.0ppm (All Samples)		Total number of samples submitted to lab for analysis: 17 Samples		
If more than 10 cubic yards of impacted soil were observed:				
Vertical extent: N/A		Estimated spill volume: N/A		
Lateral extent: N/A		Volume of soil removed: N/A		
Is additional investigation required? N/A				
Was groundwater encountered during the investigation?				
No		Yes - not impacted or in contact with impacted soils		Yes - groundwater impacted and/or in contact with impacted soils
Measured depth to groundwater: N/A		Was remedial groundwater removal conducted? Yes No		
Date Groundwater was encountered: N/A		Commencement date of removal: N/A		
Sheen on groundwater? Yes No		Volume of groundwater removed prior to sampling: N/A		
Free product observed? Yes No		Volume of groundwater removed post sampling: N/A		
Total number of samples collected: N/A		Total Volume of groundwater removed: N/A		
Total number of samples submitted to lab for analysis: N/A				

**TABLE 1
FIELD DATA SUMMARY TABLE
NOBLE 100322
UPV 5-5H3, WELD COUNTY, COLORADO
REM # 30272**

Sample ID	Sample Date	Depth	GPS Data Latitude/Longitude		PDOP Value	VOC Concentration (ppm)
FL01@5.0'	4/2/2024	5.0 Ft	40.4297660	-104.4677934	0.90	0.0 ppm
FL08@5.0'	4/2/2024	5.0 Ft	40.4339265	-104.4658365	0.90	0.0 ppm

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

= Source material characterization sample, excavated and transported off site for disposal.

= Material excavated and transported off site for disposal.

TABLE 2
SUMMARY OF VOLATILE ORGANIC SOIL CHEMISTRY DATA
NOBLE 100322
UPV 5-5H3, WELD COUNTY, COLORADO
REM # 30272

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 (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	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	500**		
FL01@5.0'	4/3/2024	5.0 Ft	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
FL08@5.0'	4/2/2024	5.0 Ft	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50

1. Bold values exceed the ECMC Table 915-1 limit(s)
 2. Red & blue highlighted soil analytical values indicate an exceedance of the referenced soil screening level (SSL)
 3. * Indicates laboratory minimum detection limit in excess of SSL
 4. ** Summation of GRO+DRO+ORO must be less than 500 mg/kg
- NA - Not analyzed

= Source material characterization sample, excavated and transported off site for disposal.

= Material excavated and transported off site for disposal.

TABLE 3
SUMMARY OF POLYCYCLIC AROMATIC HYDROCARBON SOIL CHEMISTRY DATA
NOBLE 100322
UPV 5-5H3, WELD COUNTY, COLORADO
REM # 30272

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
FL01@5.0'	4/3/2024	5.0 Ft	<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
FL08@5.0'	4/2/2024	5.0 Ft	<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

1. Bold values exceed the ECMC Table 915-1 limit(s)
2. Red & blue highlighted soil analytical values indicate an exceedance of the referenced soil screening level (SSL)
3. * Indicates laboratory minimum detection limit in excess of SSL

NA - Not analyzed

 = Source material characterization sample, excavated and transported off site for disposal.

 = Material excavated and transported off site for disposal.

TABLE 4
SUMMARY OF SOIL SUITABILITY FOR RECLAMATION
NOBLE 100322
UPV 5-5H3, WELD COUNTY, COLORADO
REM # 30272

Sample ID	Sample Date	Depth (ft)	pH (Standard Units)	EC (mmhos/cm)	SAR (Standard Units)	Boron (mg/L)
ECMC Table 915-1 Soil Suitability Limits			6 - 8.3	<4	<6	2
FL01@5.0'	4/3/2024	5.0 Ft	9.42	0.172	0.514	<2.00
FL08@5.0'	4/2/2024	5.0 Ft	8.86	0.101	0.0908	<2.00
BKG01@6.0"	4/3/2024	0.5 Ft	6.71	0.160	0.0488	<2.00
BKG01@4.0'	4/3/2024	4.0 Ft	8.55	0.128	0.0574	<2.00
BKG01@5.0'	4/3/2024	5.0 Ft	8.99	8.54	0.0356	<2.00
BKG02@6.0"	4/3/2024	0.5 Ft	6.63	0.0822	0.0329	<2.00
BKG02@4.0'	4/3/2024	4.0 Ft	8.68	0.232	0.116	<2.00
BKG02@5.0'	4/3/2024	5.0 Ft	9.06	0.119	0.0577	<2.00
BKG03@6.0"	4/3/2024	0.5 Ft	7.08	0.0781	0.0212	<2.00
BKG03@4.0'	4/3/2024	4.0 Ft	8.91	0.128	0.0665	<2.00
BKG03@5.0'	4/3/2024	5.0 Ft	9.04	0.107	0.0545	<2.00
BKG04@6.0"	4/3/2024	0.5 Ft	6.02	0.0400	0.0206	<2.00
BKG04@4.0'	4/3/2024	4.0 Ft	7.41	0.0220	0.0527	<2.00
BKG04@5.0'	4/3/2024	5.0 Ft	6.64	0.0257	0.0763	<2.00
BKG05@6.0"	4/3/2024	0.5 Ft	5.89	0.0231	0.0188	<2.00
BKG05@4.0'	4/3/2024	4.0 Ft	7.72	0.0155	0.0197	<2.00
BKG05@5.0'	4/3/2024	5.0 Ft	7.81	0.0171	0.0235	<2.00
Maximum Root Background Concentration (0 - 3 ft)			7.08	0.160	0.0488	<2.00
Average Root Background Concentration (0 - 3 ft)			6.47	0.077	0.0285	<2.00
Maximum Background Concentration			9.06	8.54	0.116	<2.00

Sample ID	Sample Date	Depth (ft)	pH (Standard Units)	EC (mmhos/cm)	SAR (Standard Units)	Boron (mg/L)
ECMC Table 915-1 Soil Suitability Limits			6 - 8.3	<4	<6	2
Average Background Concentration			7.68	0.648	0.0468	<2.00

1. Bold faced values exceed the ECMC Table 915-1 limit(s)

2. Blue highlighted soil analytical values indicate a regulatory exceedance

NA - Not analyzed

 = Source material characterization sample, excavated and transported off site for disposal.

 = Material excavated and transported off site for disposal.

TABLE 5
SUMMARY OF METALS IN SOIL CHEMISTRY DATA
NOBLE 100322
UPV 5-5H3, WELD COUNTY, COLORADO
REM # 30272

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
FL01@5.0'	4/3/2024	5.0 Ft	2.16	50.3	<0.200	<0.30	5.25	3.64	2.20	<0.260	<0.0200	10.1
FL08@5.0'	4/2/2024	5.0 Ft	3.45	58.5	<0.200	<0.30	1.66	2.67	2.04	<0.260	<0.0200	8.08
BKG01@6.0"	4/3/2024	0.5 Ft	1.65	36.0	<0.200	<0.30	3.63	4.01	3.03	<0.260	<0.0200	9.95
BKG01@4.0'	4/3/2024	4.0 Ft	2.05	41.1	<0.180	<0.30	3.00	3.64	2.93	<0.234	<0.0180	9.35
BKG01@5.0'	4/3/2024	5.0 Ft	2.49	35.7	<0.200	<0.30	2.45	2.97	2.52	<0.260	<0.0200	7.56
BKG02@6.0"	4/3/2024	0.5 Ft	1.73	40.8	<0.200	<0.30	4.19	4.21	3.53	<0.260	<0.0200	10.8
BKG02@4.0'	4/3/2024	4.0 Ft	2.31	68.1	<0.200	<0.30	3.06	3.93	3.23	<0.260	<0.0200	9.64
BKG02@5.0'	4/3/2024	5.0 Ft	1.72	30.8	<0.200	<0.30	2.59	3.65	3.02	<0.260	<0.0200	8.81
BKG03@6.0"	4/3/2024	0.5 Ft	1.68	31.5	<0.200	<0.30	3.29	3.45	2.66	<0.260	<0.0200	9.53
BKG03@4.0'	4/3/2024	4.0 Ft	2.05	85.9	<0.200	<0.30	2.57	3.39	2.75	<0.260	<0.0200	8.71
BKG03@5.0'	4/3/2024	5.0 Ft	6.38	82.3	<0.179	<0.30	4.02	3.80	3.93	<0.232	<0.0179	11.7
BKG04@6.0"	4/3/2024	0.5 Ft	1.66	32.4	<0.200	<0.30	2.65	3.70	2.30	<0.260	<0.0200	9.05
BKG04@4.0'	4/3/2024	4.0 Ft	2.21	36.2	<0.200	<0.30	2.02	3.28	2.11	<0.260	<0.0200	7.98
BKG04@5.0'	4/3/2024	5.0 Ft	2.00	31.7	<0.200	<0.30	1.85	2.36	1.88	<0.260	<0.0200	7.27
BKG05@6.0"	4/3/2024	0.5 Ft	1.81	33.3	<0.200	<0.30	2.95	4.06	2.29	<0.260	<0.0200	9.75
BKG05@4.0'	4/3/2024	4.0 Ft	1.50	0.237	<0.00197	<0.30	0.0178	0.0219	0.0151	<0.00256	<0.000197	0.0632
BKG05@5.0'	4/3/2024	5.0 Ft	1.81	33.3	<0.200	<0.30	2.95	4.06	2.29	<0.260	<0.0200	9.75
Maximum Root Zone Background Concentration (0 - 3 ft)			1.81	40.8	<2.00	<0.30	4.19	4.21	3.53	<0.260	<0.0200	10.8
125% Average Root Zone Background Concentration (0 - 3 ft)			2.13	43.5	<2.00	<0.30	4.18	4.86	3.45	<0.260	<0.0200	12.3
Maximum Background Concentration			6.38	85.9	<2.00	<0.30	4.19	4.21	3.93	<0.260	<0.0200	11.7
125% Average Background Concentration			2.75	51.6	<2.00	<0.30	3.44	4.21	3.21	<0.260	<0.0200	10.8

1. Bold values exceed the ECMC Table 915-1 limit(s)

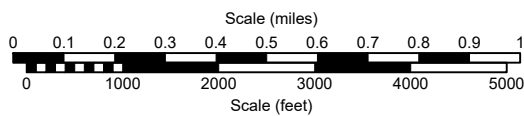
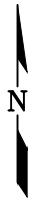
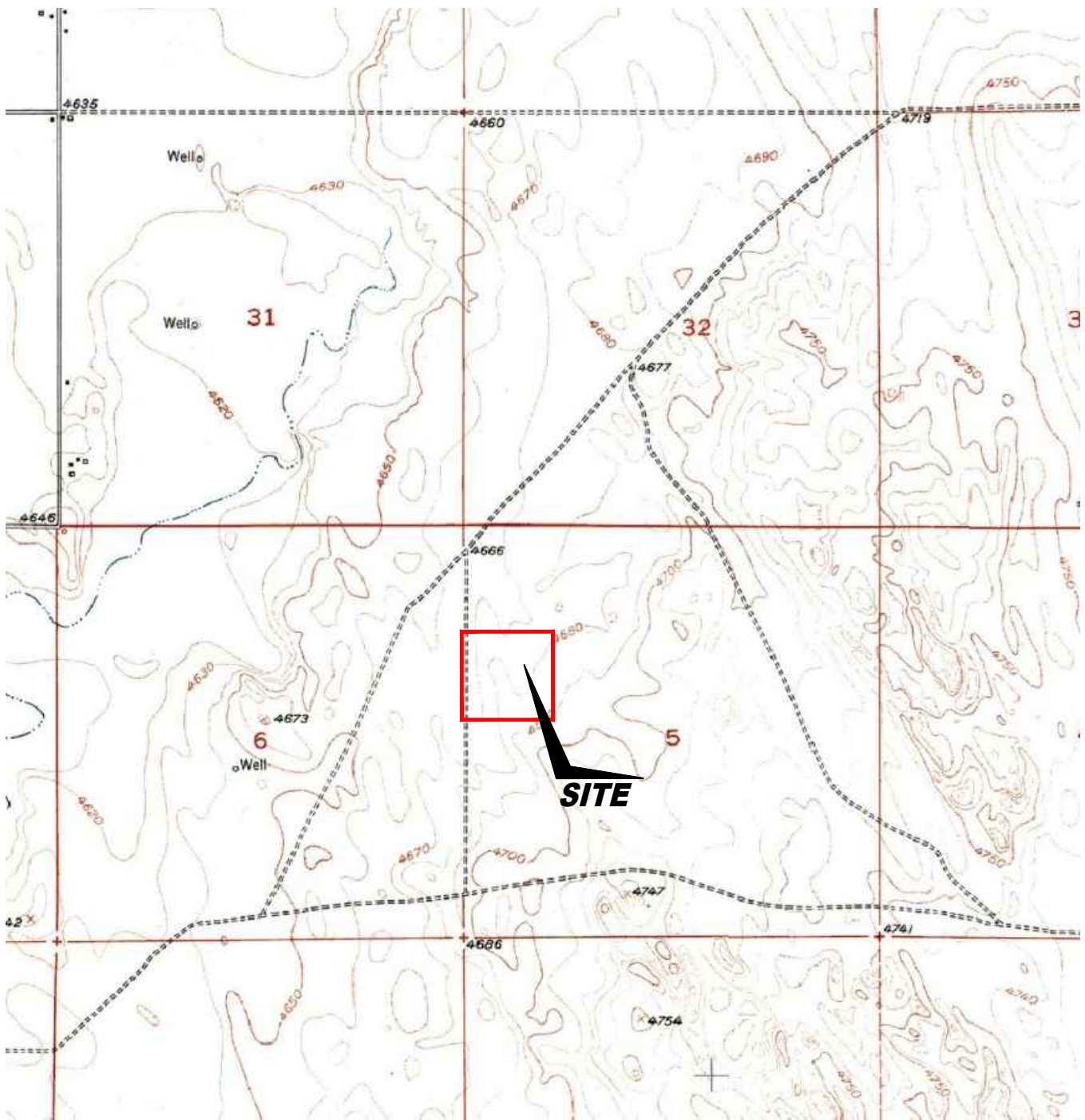
2. Red & blue highlighted soil analytical values indicate an exceedance of the referenced soil screening level (SSL)

* Indicates laboratory minimum detection limit in excess of SSL

NA - Not analyzed

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= Material excavated and transported off site for disposal.



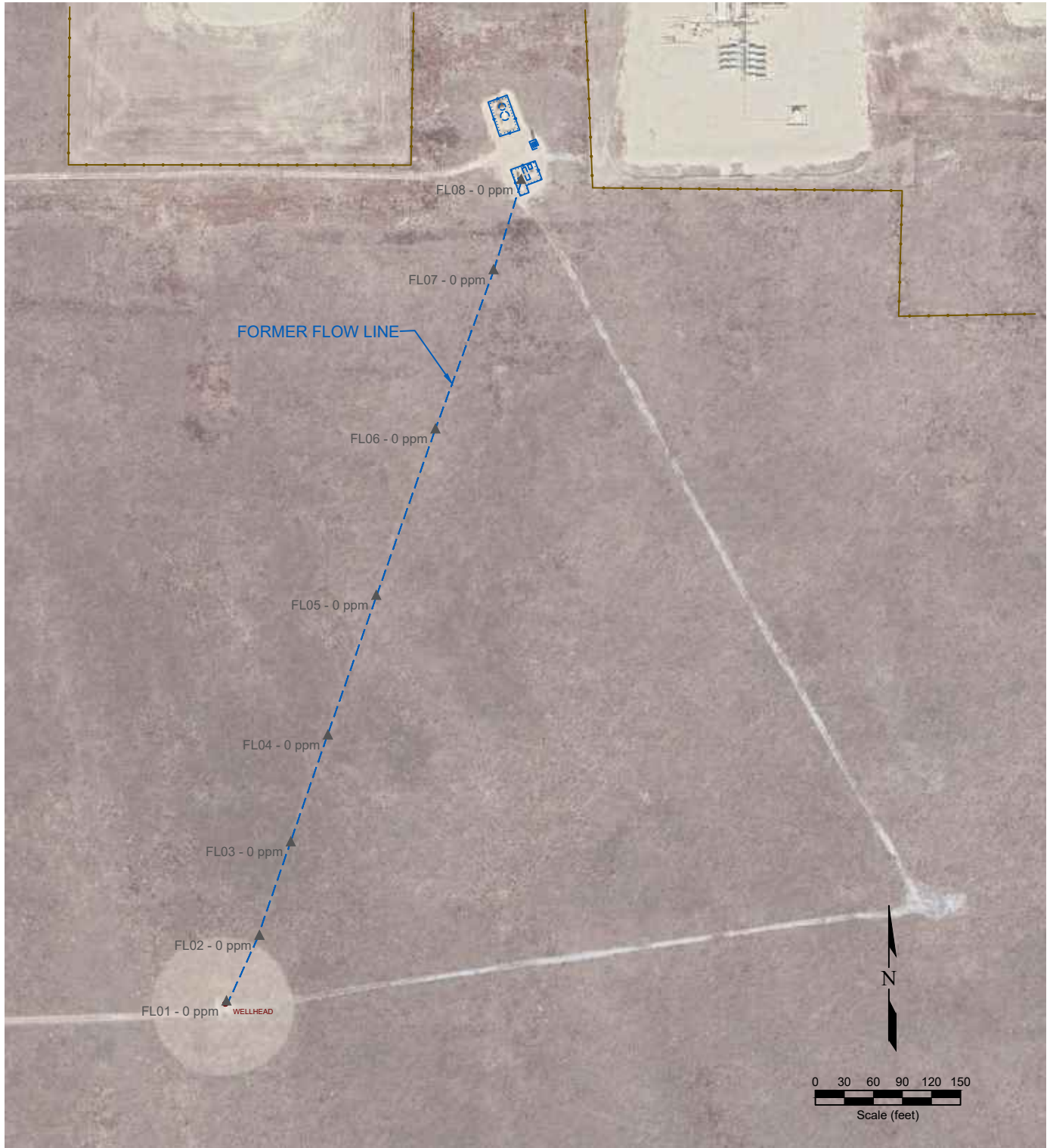
USGS 7.5 MINUTE SERIES (TOPOGRAPHIC)

Figure 1
SITE LOCATION MAP

NOBLE ENERGY INC ~ UPV-5-5H3
 SWNW Sec. 5, T5N, R63W, 6th PM
 Weld County, Colorado
 40.429766°, -104.467816°

Project # C024-072	API # 05-123-18860	Facility #
Date 9/4/24	Remediation # 30272	Filename 24072TFL





LEGEND

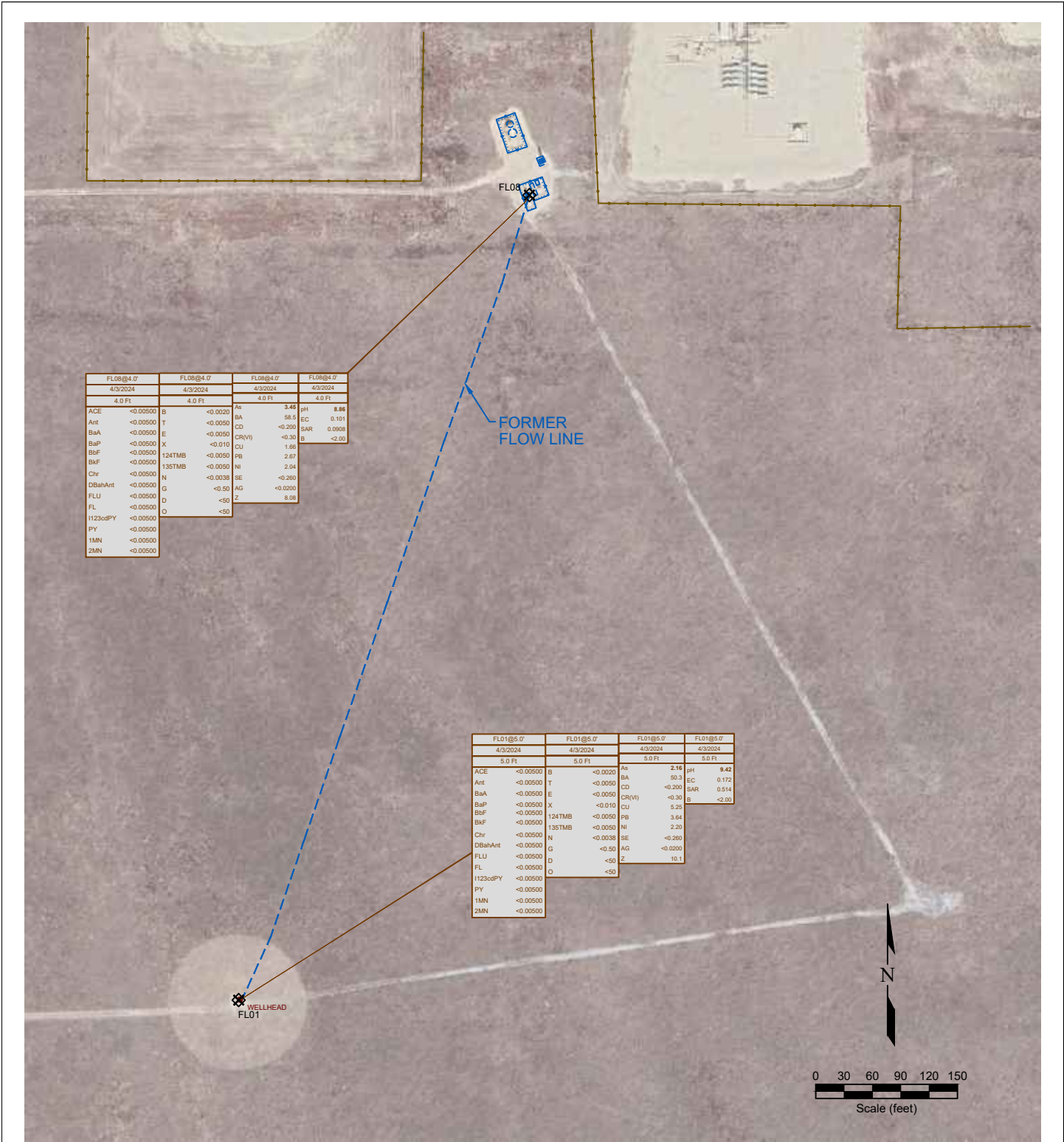
- WELL HEAD LOCATION
- ▲ PID READING LOCATION
- ABOVE GROUND STORAGE TANK
- FORMER FACILITY
- FORMER FLOW LINE
- FENCE LINE
- CONTAINMENT BERM
- CONTAINMENT WALL

**Figure 2
SITE MAP**

NOBLE ENERGY INC ~ UPV-5-5H3
 SWNW Sec. 5, T5N, R63W, 6th PM
 Weld County, Colorado
 40.429766°, -104.467816°

Project No. C024-072	API # 05-123-18860	Facility #
Date 9/4/24	Remediation # 30272	Filename 24072QFL





FL08@4.0'		FL08@4.0'		FL08@4.0'		FL08@4.0'	
4/3/2024		4/3/2024		4/3/2024		4/3/2024	
4.0 Ft		4.0 Ft		4.0 Ft		4.0 Ft	
ACE	<0.00500	B	<0.0020	As	3.45	pH	8.86
Ant	<0.00500	T	<0.0050	BA	58.5	EC	0.101
BaA	<0.00500	E	<0.0050	CD	<-0.200	SAR	0.0908
BaP	<0.00500	X	<0.010	CR(V)	<-0.30	B	<-2.00
BbF	<0.00500	124TMB	<0.0050	CU	1.66		
BkF	<0.00500	135TMB	<0.0050	Pb	2.67		
Chr	<0.00500	N	<0.0038	Ni	2.04		
DBahAnt	<0.00500	G	<-0.50	SE	<-0.280		
FLU	<0.00500	D	<50	AG	<-0.0200		
FL	<0.00500	O	<50	Z	8.08		
H23cdPY	<0.00500						
PY	<0.00500						
1MN	<0.00500						
2MN	<0.00500						

FL01@5.0'		FL01@5.0'		FL01@5.0'		FL01@5.0'	
4/3/2024		4/3/2024		4/3/2024		4/3/2024	
5.0 Ft		5.0 Ft		5.0 Ft		5.0 Ft	
ACE	<0.00500	B	<0.0020	As	2.16	pH	9.42
Ant	<0.00500	T	<0.0050	BA	50.3	EC	0.172
BaA	<0.00500	E	<0.0050	CD	<-0.200	SAR	0.514
BaP	<0.00500	X	<0.010	CR(V)	<-0.30	B	<-2.00
BbF	<0.00500	124TMB	<0.0050	CU	5.25		
BkF	<0.00500	135TMB	<0.0050	Pb	3.64		
Chr	<0.00500	N	<0.0038	Ni	2.20		
DBahAnt	<0.00500	G	<-0.50	SE	<-0.280		
FLU	<0.00500	D	<50	AG	<-0.0200		
FL	<0.00500	O	<50	Z	10.1		
H23cdPY	<0.00500						
PY	<0.00500						
1MN	<0.00500						
2MN	<0.00500						

LEGEND

- WELL HEAD LOCATION
- ABOVE GROUND STORAGE TANK
- ⊗ SOIL SAMPLE LOCATION
- ⊠ FORMER FACILITY
- FORMER FLOW LINE
- FENCE LINE
- ||||| CONTAINMENT BERM
- CONTAINMENT WALL
- NS NOT ANALYZED

SAMPLE ID	SAMPLE ID	SAMPLE ID	SAMPLE ID	SAMPLE ID	SAMPLE ID
DATE	DATE	DATE	DATE	DATE	DATE
DEPTH	DEPTH	DEPTH	DEPTH	DEPTH	DEPTH
ACE	<0.00500	As	<0.01	As	<0.01
ACENAPHTHENE (mg/kg)		BENZENE (mg/kg)		ARSENIC (mg/kg)	
Ant	<0.00500	BA	<0.01	BA	<0.01
ANTHRACENE (mg/kg)		BARLIUM (mg/kg)		BARLIUM (mg/kg)	
BaA	<0.00500	CD	<0.01	CD	<0.01
BENZO (A) ANTHRACENE (mg/kg)		CHROMIUM (mg/kg)		CADMIUM (mg/kg)	
BaP	<0.00500	CR(V)	<0.01	CR(V)	<0.01
BENZO (B) FLUORANTHENE (mg/kg)		COPPER (mg/kg)		CHROMIUM (mg/kg)	
BaF	<0.00500	CU	<0.01	CU	<0.01
BENZO (K) FLUORANTHENE (mg/kg)		LEAD (mg/kg)		COPPER (mg/kg)	
Chr	<0.00500	124TMB	<0.0050	124TMB	<0.0050
CHRYSENE (mg/kg)		135TMB	<0.0050	135TMB	<0.0050
CHRYSENE (mg/kg)		NAPHTHALENE (mg/kg)		NAPHTHALENE (mg/kg)	
DBahAnt	<0.00500	N	<0.0038	N	<0.0038
DBENZO (A,H) ANTHRACENE (mg/kg)		TPH-GRO (mg/kg)		TPH-GRO (mg/kg)	
FLU	<0.00500	G	<-0.50	G	<-0.50
FLUORANTHENE (mg/kg)		TPH-LRO (mg/kg)		TPH-LRO (mg/kg)	
FLU	<0.00500	D	<50	D	<50
FLUCRENE (mg/kg)		Z	<0.01	Z	<0.01
FL	<0.00500	O	<50	O	<50
FLUCRENE (mg/kg)					
H23cdPY	<0.00500				
INDENO (1,2,3-CD) PYRENE (mg/kg)					
INDENO (1,2,3-CD) PYRENE (mg/kg)					
PY	<0.00500				
1-METHYLNAPHTHALENE (mg/kg)					
1MN	<0.00500				
1-METHYLNAPHTHALENE (mg/kg)					
2MN	<0.00500				
2-METHYLNAPHTHALENE (mg/kg)					

Figure 3
SOIL CHEMISTRY MAP

NOBLE ENERGY INC ~ UPV-5-5H3
 SWNW Sec. 5, T5N, R63W, 6th PM
 Weld County, Colorado
 40.429766°, -104.467816°

Project No. C024-072	API # 05-123-18860	Facility #
Date 9/5/24	Remediation # 30272	Filename 24072QFL



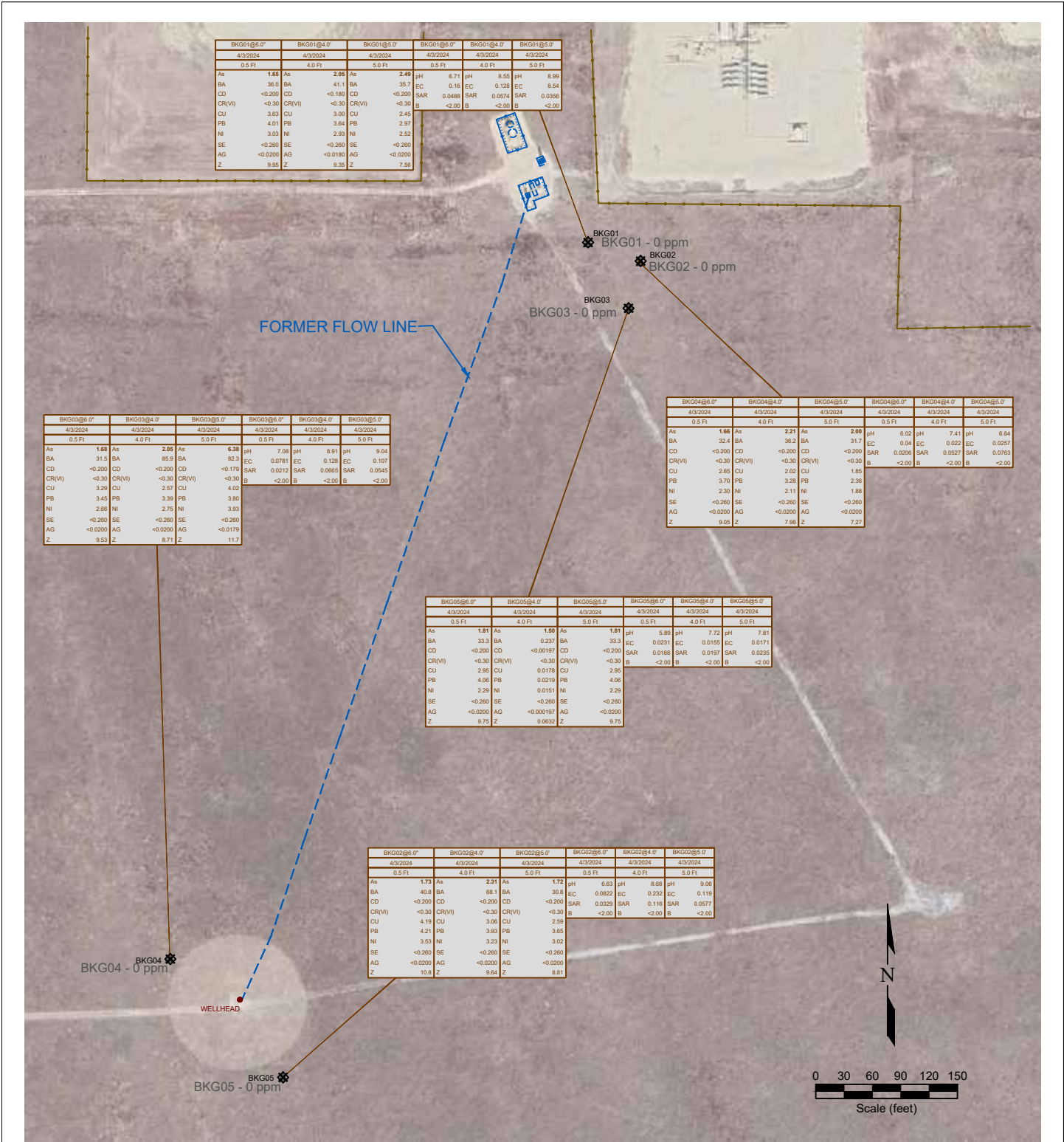


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Description:

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

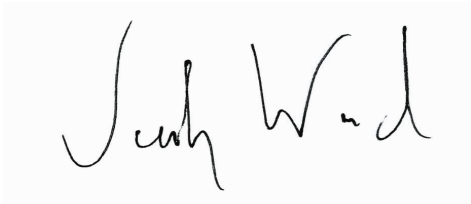
303.277.9310

June 10, 2024

Paul Henchan
Fremont Environmental
PO Box 1289
Wellington, CO 80549
RE: Noble - UPV 5-5H3
Work Order #2404067

Enclosed are the results of analyses for samples received by Summit Scientific on 04/04/24 17:21. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink that reads "Jacob Wood". The signature is written in a cursive style with a small "w" at the end of the last name.

Jacob Wood For Paul Shrewsbury
President



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - UPV 5-5H3
Project Number: UWRWE-A3299-ABN
Project Manager: Paul Henchan

Reported:
06/10/24 13:17

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FL01@5.0	2404067-01	Soil	04/03/24 00:00	04/04/24 17:21
FL08@5.0	2404067-02	Soil	04/03/24 00:00	04/04/24 17:21

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
2404067	

Send Data To:		Send Invoice To:	
Client: Fremont Env	Project Manager: Paul Henchen	Company: Noble	
Address:	E-Mail: Paulh@fremontenv.com	Project Name/Location:	
City/State/Zip:	jeff@fremontenv.com Ethan@fremontenv.com	AFE#:	
Phone:	Project Name: UPV 5-5H3	PO/Billing Codes: UWRWE-A3299-ARU	
Sampler Name: JG	Project Number:	Contact:	

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+N	TMSs (915)	DRUGS, ORG	PAHs (915)	EC, PH, SAR, GDP, etc	Metals (915)		
1	FLO1@5.0'	4/3/24		2			X			X				X	X	X	X	X	X	
2	FLO8@5.0'	4/2/24		2			X			X				X	X	X	X	X	X	
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				

Relinquished by: <i>JG</i>	Date/Time: 4/4/24	Received by: <i>Carli Falls</i>	Date/Time: 4/4/24 17:21	TAT Business Days	Field DO	Notes:
				Same Day	Field EC	
				1 Day	Field ORP	
				2 Days	Field pH	
				3 Days	Field Temp.	
				Standard	X Field Turb.	
Temperature Upon Receipt: 24.4	Corrected Temperature	IR gun #: Z	HNO3 lot #:			

S₂

S2 Work Order# 2404067

Sample Receipt Checklist

Client: Fresmont Client Project ID: Noble - UPV 5-5#3

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

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

Temp (°C) 24.4 Thermometer # 2

	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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded? ⁽¹⁾	<input type="checkbox"/>	<input checked="" 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"/>	
<u>Additional Comments (if any):</u> 				
⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.				

AS

Custodian Printed Name

4/4/24
Date/Time



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - UPV 5-5H3
Project Number: UWRWE-A3299-ABN
Project Manager: Paul Henchan

Reported:
06/10/24 13:17

FL01@5.0
2404067-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BHD0222	04/08/24	04/09/24	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: **04/03/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0271	67.6 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0462	116 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0420	105 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BHD0226	04/08/24	04/09/24	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	8.77	70.2 %		30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - UPV 5-5H3
Project Number: UWRWE-A3299-ABN
Project Manager: Paul Henchan

Reported:
06/10/24 13:17

FL01@5.0
2404067-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHD0208	04/08/24	04/09/24	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: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0240	72.0 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0264	79.2 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHD0403	04/12/24	04/30/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/03/24 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 - UPV 5-5H3
Project Number: UWRWE-A3299-ABN
Project Manager: Paul Henchan

Reported:
06/10/24 13:17

FL01@5.0
2404067-01 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Barium	50.3	0.400	mg/kg dry	1	BHD0692	04/19/24	05/08/24	EPA 6020B	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	5.25	0.400	"	"	"	"	"	"	
Lead	3.64	0.200	"	"	"	"	"	"	
Nickel	2.20	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	10.1	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHD0464	04/15/24	04/17/24	EPA 7196A	

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

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	310	0.0500	mg/L dry	1	BHD0705	04/20/24	05/17/24	EPA 6020B	
Magnesium	14.2	0.0500	"	"	"	"	"	"	
Sodium	34.1	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.514	0.00100	units	1	BHE0617	05/20/24	05/20/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/03/24 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 - UPV 5-5H3
 Project Number: UWRWE-A3299-ABN
 Project Manager: Paul Henchan

Reported:
 06/10/24 13:17

FL01@5.0
2404067-01 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	93.0	%	1	BHD0260	04/09/24	04/09/24	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/03/24 00:00**


Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.172	0.0100	mmhos/cm	1	BHD0710	04/20/24	04/22/24	EPA 120.1	

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

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	9.42		pH Units	1	BHD0709	04/20/24	04/22/24	EPA 9045D	

Summit Scientific



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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - UPV 5-5H3
 Project Number: UWRWE-A3299-ABN
 Project Manager: Paul Henchan

Reported:
 06/10/24 13:17

FL01@5.0
2404067-01 (Soil)


Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	2.16	0.200	mg/kg dry	1	BHE0699	05/22/24	06/03/24	EPA 6020B	

Summit Scientific



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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - UPV 5-5H3
Project Number: UWRWE-A3299-ABN
Project Manager: Paul Henchan

Reported:
06/10/24 13:17

FL08@5.0
2404067-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BHD0222	04/08/24	04/09/24	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: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0282	70.4 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0454	113 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0436	109 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BHD0226	04/08/24	04/09/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	10.4	82.9 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - UPV 5-5H3
Project Number: UWRWE-A3299-ABN
Project Manager: Paul Henchan

Reported:
06/10/24 13:17

FL08@5.0
2404067-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHD0208	04/08/24	04/09/24	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: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0238	71.3 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0257	77.1 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHD0403	04/12/24	04/30/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/03/24 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 - UPV 5-5H3
Project Number: UWRWE-A3299-ABN
Project Manager: Paul Henchan

Reported:
06/10/24 13:17

FL08@5.0
2404067-02 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	3.45	0.200	mg/kg dry	1	BHD0692	04/19/24	05/08/24	EPA 6020B	
Barium	58.5	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	1.66	0.400	"	"	"	"	"	"	
Lead	2.67	0.200	"	"	"	"	"	"	
Nickel	2.04	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	8.08	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHD0464	04/15/24	04/17/24	EPA 7196A	

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

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	136	0.0500	mg/L dry	1	BHD0705	04/20/24	05/17/24	EPA 6020B	
Magnesium	22.2	0.0500	"	"	"	"	"	"	
Sodium	4.33	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.0908	0.00100	units	1	BHE0617	05/20/24	05/20/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - UPV 5-5H3
 Project Number: UWRWE-A3299-ABN
 Project Manager: Paul Henchan

Reported:
 06/10/24 13:17

FL08@5.0
2404067-02 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	94.8		%	1	BHD0260	04/09/24	04/09/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/03/24 00:00**

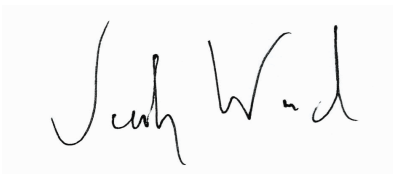
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.101	0.0100	mmhos/cm	1	BHD0710	04/20/24	04/22/24	EPA 120.1	

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

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.86		pH Units	1	BHD0709	04/20/24	04/22/24	EPA 9045D	

Summit Scientific



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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - UPV 5-5H3
Project Number: UWRWE-A3299-ABN
Project Manager: Paul Henchan

Reported:
06/10/24 13:17

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BHD0222 - EPA 5030 Soil MS

Blank (BHD0222-BLK1)

Prepared: 04/08/24 Analyzed: 04/09/24

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	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.0336		"	0.0400		84.0	50-150			
<i>Surrogate: Toluene-d8</i>	0.0431		"	0.0400		108	50-150			
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0418		"	0.0400		105	50-150			

LCS (BHD0222-BS1)

Prepared: 04/08/24 Analyzed: 04/09/24

Benzene	0.0919	0.0020	mg/kg	0.100		91.9	70-130			
Toluene	0.130	0.0050	"	0.100		130	70-130			
Ethylbenzene	0.125	0.0050	"	0.100		125	70-130			
m,p-Xylene	0.253	0.010	"	0.200		126	70-130			
o-Xylene	0.124	0.0050	"	0.100		124	70-130			
1,2,4-Trimethylbenzene	0.114	0.0050	"	0.100		114	70-130			
1,3,5-Trimethylbenzene	0.119	0.0050	"	0.100		119	70-130			
Naphthalene	0.0802	0.0038	"	0.100		80.2	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.0276		"	0.0400		69.0	50-150			
<i>Surrogate: Toluene-d8</i>	0.0447		"	0.0400		112	50-150			
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0431		"	0.0400		108	50-150			

Matrix Spike (BHD0222-MS1)

Source: 2404059-01

Prepared: 04/08/24 Analyzed: 04/09/24

Benzene	0.0856	0.0020	mg/kg	0.100	ND	85.6	70-130			
Toluene	0.119	0.0050	"	0.100	ND	119	70-130			
Ethylbenzene	0.114	0.0050	"	0.100	ND	114	70-130			
m,p-Xylene	0.231	0.010	"	0.200	ND	115	70-130			
o-Xylene	0.115	0.0050	"	0.100	ND	115	70-130			
1,2,4-Trimethylbenzene	0.104	0.0050	"	0.100	ND	104	70-130			
1,3,5-Trimethylbenzene	0.108	0.0050	"	0.100	ND	108	70-130			
Naphthalene	0.0770	0.0038	"	0.100	ND	77.0	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.0247		"	0.0400		61.7	50-150			
<i>Surrogate: Toluene-d8</i>	0.0442		"	0.0400		110	50-150			
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0417		"	0.0400		104	50-150			

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - UPV 5-5H3
 Project Number: UWRWE-A3299-ABN
 Project Manager: Paul Henchan

Reported:
 06/10/24 13:17

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

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

Batch BHD0222 - EPA 5030 Soil MS

Matrix Spike Dup (BHD0222-MSD1)	Source: 2404059-01			Prepared: 04/08/24 Analyzed: 04/09/24						
Benzene	0.0874	0.0020	mg/kg	0.100	ND	87.4	70-130	2.05	30	
Toluene	0.126	0.0050	"	0.100	ND	126	70-130	5.57	30	
Ethylbenzene	0.112	0.0050	"	0.100	ND	112	70-130	2.25	30	
m,p-Xylene	0.223	0.010	"	0.200	ND	112	70-130	3.32	30	
o-Xylene	0.110	0.0050	"	0.100	ND	110	70-130	4.18	30	
1,2,4-Trimethylbenzene	0.100	0.0050	"	0.100	ND	100	70-130	4.35	30	
1,3,5-Trimethylbenzene	0.105	0.0050	"	0.100	ND	105	70-130	3.01	30	
Naphthalene	0.0760	0.0038	"	0.100	ND	76.0	70-130	1.22	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0282</i>		<i>"</i>	<i>0.0400</i>		<i>70.6</i>	<i>50-150</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0461</i>		<i>"</i>	<i>0.0400</i>		<i>115</i>	<i>50-150</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0421</i>		<i>"</i>	<i>0.0400</i>		<i>105</i>	<i>50-150</i>			

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 Wellington CO, 80549

Project: Noble - UPV 5-5H3
 Project Number: UWRWE-A3299-ABN
 Project Manager: Paul Henchan

Reported:
 06/10/24 13:17

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch BHD0226 - EPA 3550A

Blank (BHD0226-BLK1)

Prepared: 04/08/24 Analyzed: 04/09/24

C10-C28 (DRO)	ND	50	mg/kg							
C28-C36 (ORO)	ND	50	"							
Surrogate: <i>o</i> -Terphenyl	12.7		"	12.5		102		30-150		

LCS (BHD0226-BS1)

Prepared: 04/08/24 Analyzed: 04/09/24

C10-C28 (DRO)	550	50	mg/kg	500		110		70-130		
Surrogate: <i>o</i> -Terphenyl	12.2		"	12.5		97.4		30-150		

Matrix Spike (BHD0226-MS1)

Source: 2404059-01

Prepared: 04/08/24 Analyzed: 04/09/24

C10-C28 (DRO)	529	50	mg/kg	500	14.2	103		70-130		
Surrogate: <i>o</i> -Terphenyl	11.1		"	12.5		89.1		30-150		

Matrix Spike Dup (BHD0226-MSD1)

Source: 2404059-01

Prepared: 04/08/24 Analyzed: 04/09/24

C10-C28 (DRO)	473	50	mg/kg	500	14.2	91.8		70-130	11.0	20
Surrogate: <i>o</i> -Terphenyl	10.1		"	12.5		80.5		30-150		

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - UPV 5-5H3
Project Number: UWRWE-A3299-ABN
Project Manager: Paul Henchan

Reported:
06/10/24 13:17

PAH by EPA Method 8270D SIM - Quality Control
Summit Scientific

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

Batch BHD0208 - EPA 5030 Soil MS

Blank (BHD0208-BLK1)

Prepared: 04/08/24 Analyzed: 04/09/24

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	"							
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0376</i>		"	<i>0.0333</i>		<i>113</i>		<i>40-150</i>		
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0408</i>		"	<i>0.0333</i>		<i>122</i>		<i>40-150</i>		

LCS (BHD0208-BS1)

Prepared: 04/08/24 Analyzed: 04/09/24

Acenaphthene	0.0335	0.00500	mg/kg	0.0333	100	31-137
Anthracene	0.0360	0.00500	"	0.0333	108	30-120
Benzo (a) anthracene	0.0342	0.00500	"	0.0333	103	30-120
Benzo (a) pyrene	0.0290	0.00500	"	0.0333	86.9	30-120
Benzo (b) fluoranthene	0.0365	0.00500	"	0.0333	110	30-120
Benzo (k) fluoranthene	0.0354	0.00500	"	0.0333	106	30-120
Chrysene	0.0336	0.00500	"	0.0333	101	30-120
Dibenz (a,h) anthracene	0.0137	0.00500	"	0.0333	41.0	30-120
Fluoranthene	0.0351	0.00500	"	0.0333	105	30-120
Fluorene	0.0281	0.00500	"	0.0333	84.4	30-120
Indeno (1,2,3-cd) pyrene	0.0159	0.00500	"	0.0333	47.7	30-120
Pyrene	0.0331	0.00500	"	0.0333	99.3	35-142
1-Methylnaphthalene	0.0305	0.00500	"	0.0333	91.5	35-142
2-Methylnaphthalene	0.0390	0.00500	"	0.0333	117	35-142
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0347</i>		"	<i>0.0333</i>	<i>104</i>	<i>40-150</i>
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0346</i>		"	<i>0.0333</i>	<i>104</i>	<i>40-150</i>

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - UPV 5-5H3
Project Number: UWRWE-A3299-ABN
Project Manager: Paul Henchan

Reported:
06/10/24 13:17

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BHD0208 - EPA 5030 Soil MS

Matrix Spike (BHD0208-MS1)	Source: 2404066-01			Prepared: 04/08/24 Analyzed: 04/09/24						
Acenaphthene	0.0171	0.00500	mg/kg	0.0333	ND	51.4	31-137			
Anthracene	0.0205	0.00500	"	0.0333	ND	61.6	30-120			
Benzo (a) anthracene	0.0174	0.00500	"	0.0333	ND	52.3	30-120			
Benzo (a) pyrene	0.0143	0.00500	"	0.0333	ND	42.9	30-120			
Benzo (b) fluoranthene	0.0176	0.00500	"	0.0333	ND	52.9	30-120			
Benzo (k) fluoranthene	0.0174	0.00500	"	0.0333	ND	52.1	30-120			
Chrysene	0.0159	0.00500	"	0.0333	ND	47.6	30-120			
Dibenz (a,h) anthracene	0.0135	0.00500	"	0.0333	ND	40.4	30-120			
Fluoranthene	0.0200	0.00500	"	0.0333	ND	59.9	30-120			
Fluorene	0.0139	0.00500	"	0.0333	ND	41.8	30-120			
Indeno (1,2,3-cd) pyrene	0.0159	0.00500	"	0.0333	ND	47.7	30-120			
Pyrene	0.0171	0.00500	"	0.0333	ND	51.4	35-142			
1-Methylnaphthalene	0.0164	0.00500	"	0.0333	ND	49.3	15-130			
2-Methylnaphthalene	0.0146	0.00500	"	0.0333	ND	43.8	15-130			
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0177</i>		<i>"</i>	<i>0.0333</i>		<i>53.0</i>	<i>40-150</i>			
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0208</i>		<i>"</i>	<i>0.0333</i>		<i>62.4</i>	<i>40-150</i>			

Matrix Spike Dup (BHD0208-MSD1)	Source: 2404066-01			Prepared: 04/08/24 Analyzed: 04/09/24						
Acenaphthene	0.0153	0.00500	mg/kg	0.0333	ND	45.9	31-137	11.3	30	
Anthracene	0.0155	0.00500	"	0.0333	ND	46.6	30-120	27.7	30	
Benzo (a) anthracene	0.0153	0.00500	"	0.0333	ND	45.8	30-120	13.2	30	
Benzo (a) pyrene	0.0161	0.00500	"	0.0333	ND	48.2	30-120	11.6	30	
Benzo (b) fluoranthene	0.0201	0.00500	"	0.0333	ND	60.2	30-120	13.0	30	
Benzo (k) fluoranthene	0.0195	0.00500	"	0.0333	ND	58.6	30-120	11.9	30	
Chrysene	0.0134	0.00500	"	0.0333	ND	40.1	30-120	17.0	30	
Dibenz (a,h) anthracene	0.0138	0.00500	"	0.0333	ND	41.4	30-120	2.34	30	
Fluoranthene	0.0155	0.00500	"	0.0333	ND	46.5	30-120	25.2	30	
Fluorene	0.0138	0.00500	"	0.0333	ND	41.5	30-120	0.667	30	
Indeno (1,2,3-cd) pyrene	0.0197	0.00500	"	0.0333	ND	59.1	30-120	21.4	30	
Pyrene	0.0147	0.00500	"	0.0333	ND	44.2	35-142	15.1	30	
1-Methylnaphthalene	0.0165	0.00500	"	0.0333	ND	49.5	15-130	0.512	50	
2-Methylnaphthalene	0.0228	0.00500	"	0.0333	ND	68.3	15-130	43.7	50	
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0186</i>		<i>"</i>	<i>0.0333</i>		<i>55.9</i>	<i>40-150</i>			
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0161</i>		<i>"</i>	<i>0.0333</i>		<i>48.4</i>	<i>40-150</i>			

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - UPV 5-5H3
 Project Number: UWRWE-A3299-ABN
 Project Manager: Paul Henchan

Reported:
 06/10/24 13:17

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

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

Batch BHD0403 - EPA 3050B

Blank (BHD0403-BLK1)

Prepared: 04/12/24 Analyzed: 04/30/24

Boron ND 2.00 mg/L

LCS (BHD0403-BS1)

Prepared: 04/12/24 Analyzed: 04/30/24

Boron 4.45 2.00 mg/L 5.00 89.1 80-120

Duplicate (BHD0403-DUP1)

Source: 2404065-01

Prepared: 04/12/24 Analyzed: 04/30/24

Boron 0.182 2.00 mg/L 0.213 15.7 20

Matrix Spike (BHD0403-MS1)

Source: 2404065-01

Prepared: 04/12/24 Analyzed: 04/30/24

Boron 4.91 2.00 mg/L 4.98 0.213 94.3 75-125

Matrix Spike Dup (BHD0403-MSD1)

Source: 2404065-01

Prepared: 04/12/24 Analyzed: 04/30/24

Boron 5.13 2.00 mg/L 4.98 0.213 98.6 75-125 4.32 25

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Wellington CO, 80549

Project: Noble - UPV 5-5H3
Project Number: UWRWE-A3299-ABN
Project Manager: Paul Henchan

Reported:
06/10/24 13:17

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BHD0692 - EPA 3050B

Blank (BHD0692-BLK1)

Prepared: 04/19/24 Analyzed: 05/08/24

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 (BHD0692-BS1)

Prepared: 04/19/24 Analyzed: 05/08/24

Arsenic	38.3	0.200	mg/kg wet	40.0	95.9	80-120
Barium	39.0	0.400	"	40.0	97.5	80-120
Cadmium	1.93	0.200	"	2.00	96.3	80-120
Copper	42.1	0.400	"	40.0	105	80-120
Lead	18.9	0.200	"	20.0	94.5	80-120
Nickel	41.3	0.400	"	40.0	103	80-120
Silver	1.92	0.0200	"	2.00	96.2	80-120
Zinc	41.8	0.400	"	40.0	104	80-120
Selenium	4.11	0.260	"	4.00	103	80-120

Duplicate (BHD0692-DUP1)

Source: 2404052-01

Prepared: 04/19/24 Analyzed: 05/08/24

Arsenic	4.55	0.200	mg/kg dry	7.67	51.0	20	QR-04
Barium	95.0	0.400	"	96.6	1.65	20	
Cadmium	0.356	0.200	"	0.619	54.1	20	QR-01
Copper	6.22	0.400	"	6.19	0.440	20	
Lead	9.39	0.200	"	10.5	11.3	20	
Nickel	5.19	0.400	"	5.47	5.28	20	
Silver	0.0440	0.0200	"	0.0432	1.89	20	
Zinc	22.8	0.400	"	24.6	7.55	20	
Selenium	0.279	0.260	"	0.514	59.3	20	QR-01

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - UPV 5-5H3
Project Number: UWRWE-A3299-ABN
Project Manager: Paul Henchan

Reported:
06/10/24 13:17

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BHD0692 - EPA 3050B

Matrix Spike (BHD0692-MS1)

Source: 2404052-01

Prepared: 04/19/24 Analyzed: 05/08/24

Arsenic	45.8	0.180	mg/kg dry	41.0	7.67	92.8	75-125			
Barium	128	0.360	"	41.0	96.6	76.9	75-125			
Cadmium	2.44	0.180	"	2.05	0.619	88.7	75-125			
Copper	27.7	0.360	"	41.0	6.19	52.5	75-125			QM-05
Lead	28.9	0.180	"	20.5	10.5	89.8	75-125			
Nickel	27.0	0.360	"	41.0	5.47	52.5	75-125			QM-05
Silver	2.04	0.0180	"	2.05	0.0432	97.5	75-125			
Zinc	44.1	0.360	"	41.0	24.6	47.5	75-125			QM-05
Selenium	4.30	0.234	"	4.10	0.514	92.3	75-125			

Matrix Spike Dup (BHD0692-MSD1)

Source: 2404052-01

Prepared: 04/19/24 Analyzed: 05/08/24

Arsenic	45.2	0.180	mg/kg dry	41.0	7.67	91.5	75-125	1.22	25	
Barium	128	0.360	"	41.0	96.6	76.1	75-125	0.239	25	
Cadmium	2.46	0.180	"	2.05	0.619	89.9	75-125	1.00	25	
Copper	28.5	0.360	"	41.0	6.19	54.4	75-125	2.78	25	QM-05
Lead	29.3	0.180	"	20.5	10.5	91.3	75-125	1.05	25	
Nickel	27.8	0.360	"	41.0	5.47	54.3	75-125	2.69	25	QM-05
Silver	2.06	0.0180	"	2.05	0.0432	98.1	75-125	0.641	25	
Zinc	45.8	0.360	"	41.0	24.6	51.7	75-125	3.75	25	QM-05
Selenium	4.34	0.234	"	4.10	0.514	93.3	75-125	0.949	25	

Batch BHE0699 - EPA 3050B

Blank (BHE0699-BLK1)

Prepared: 05/22/24 Analyzed: 06/03/24

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	"							

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 - UPV 5-5H3
Project Number: UWRWE-A3299-ABN
Project Manager: Paul Henchan

Reported:
06/10/24 13:17

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BHE0699 - EPA 3050B

LCS (BHE0699-BS1)

Prepared: 05/22/24 Analyzed: 06/03/24

Arsenic	37.7	0.200	mg/kg wet	37.0		102	80-120			
Barium	38.0	0.400	"	37.0		103	80-120			
Cadmium	1.85	0.200	"	1.85		99.6	80-120			
Copper	37.6	0.400	"	37.0		102	80-120			
Lead	18.3	0.200	"	18.5		99.1	80-120			
Nickel	37.6	0.400	"	37.0		101	80-120			
Silver	1.85	0.0200	"	1.85		99.7	80-120			
Zinc	36.8	0.400	"	37.0		99.2	80-120			
Selenium	3.54	0.260	"	3.70		95.4	80-120			

Duplicate (BHE0699-DUP1)

Source: 2403362-01RE1

Prepared: 05/22/24 Analyzed: 06/03/24

Arsenic	4.41	0.181	mg/kg wet		4.43			0.286	20	
Barium	143	0.362	"		144			0.274	20	
Cadmium	0.460	0.181	"		0.458			0.388	20	
Copper	18.0	0.362	"		18.7			3.70	20	
Lead	13.0	0.181	"		12.8			1.73	20	
Nickel	12.1	0.362	"		11.8			2.90	20	
Silver	0.0609	0.0181	"		0.0608			0.114	20	
Zinc	966	0.362	"		1090			11.9	20	
Selenium	0.349	0.236	"		0.390			11.2	20	

Matrix Spike (BHE0699-MS1)

Source: 2403362-01RE1

Prepared: 05/22/24 Analyzed: 06/03/24

Arsenic	38.6	0.200	mg/kg wet	37.0	4.43	92.3	75-125			
Barium	172	0.400	"	37.0	144	77.4	75-125			
Cadmium	2.25	0.200	"	1.85	0.458	96.6	75-125			
Copper	53.2	0.400	"	37.0	18.7	93.4	75-125			
Lead	29.7	0.200	"	18.5	12.8	91.4	75-125			
Nickel	47.9	0.400	"	37.0	11.8	97.6	75-125			
Silver	1.79	0.0200	"	1.85	0.0608	93.6	75-125			
Zinc	1040	0.400	"	37.0	1090	NR	75-125			QM-07
Selenium	2.79	0.260	"	3.70	0.390	64.7	75-125			QM-07

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 - UPV 5-5H3
 Project Number: UWRWE-A3299-ABN
 Project Manager: Paul Henchan

Reported:
 06/10/24 13:17

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BHE0699 - EPA 3050B

Matrix Spike Dup (BHE0699-MSD1)	Source: 2403362-01RE1			Prepared: 05/22/24		Analyzed: 06/03/24					
Arsenic	39.8	0.200	mg/kg wet	37.0	4.43	95.5	75-125	3.06	25		
Barium	178	0.400	"	37.0	144	91.7	75-125	3.03	25		
Cadmium	2.32	0.200	"	1.85	0.458	101	75-125	3.29	25		
Copper	55.4	0.400	"	37.0	18.7	99.1	75-125	3.90	25		
Lead	30.7	0.200	"	18.5	12.8	96.4	75-125	3.10	25		
Nickel	49.7	0.400	"	37.0	11.8	103	75-125	3.74	25		
Silver	1.85	0.0200	"	1.85	0.0608	96.5	75-125	3.01	25		
Zinc	1080	0.400	"	37.0	1090	NR	75-125	3.71	25		QM-07
Selenium	2.88	0.260	"	3.70	0.390	67.3	75-125	3.45	25		QM-07

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 - UPV 5-5H3
 Project Number: UWRWE-A3299-ABN
 Project Manager: Paul Henchan

Reported:
 06/10/24 13:17

Hexavalent Chromium by EPA Method 7196 - Quality Control
Summit Scientific

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

Batch BHD0464 - 3060A Mod

Blank (BHD0464-BLK1)

Prepared: 04/15/24 Analyzed: 04/17/24

Chromium, Hexavalent ND 0.30 mg/kg wet

LCS (BHD0464-BS1)

Prepared: 04/15/24 Analyzed: 04/17/24

Chromium, Hexavalent 25.4 0.30 mg/kg wet 25.0 101 80-120

Duplicate (BHD0464-DUP1)

Source: 2404055-01

Prepared: 04/15/24 Analyzed: 04/17/24

Chromium, Hexavalent ND 0.30 mg/kg dry ND 20

Matrix Spike (BHD0464-MS1)

Source: 2404055-01

Prepared: 04/15/24 Analyzed: 04/17/24

Chromium, Hexavalent 27.4 0.30 mg/kg dry 28.2 ND 97.4 75-125

Matrix Spike Dup (BHD0464-MSD1)

Source: 2404055-01

Prepared: 04/15/24 Analyzed: 04/17/24

Chromium, Hexavalent 27.4 0.30 mg/kg dry 28.2 ND 97.4 75-125 0.00 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 - UPV 5-5H3
 Project Number: UWRWE-A3299-ABN
 Project Manager: Paul Henchan

Reported:
 06/10/24 13:17

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

Summit Scientific

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

Batch BHD0705 - General Preparation

Blank (BHD0705-BLK1)

Prepared: 04/20/24 Analyzed: 05/17/24

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

LCS (BHD0705-BS1)

Prepared: 04/20/24 Analyzed: 05/17/24

Calcium	5.33	0.0500	mg/L wet	5.00		107	70-130			
Magnesium	5.43	0.0500	"	5.00		109	70-130			
Sodium	5.54	0.0500	"	5.00		111	70-130			

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 - UPV 5-5H3
 Project Number: UWRWE-A3299-ABN
 Project Manager: Paul Henchan

Reported:
 06/10/24 13:17

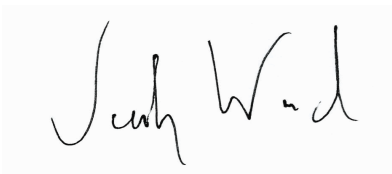
Physical Parameters by APHA/ASTM/EPA Methods - Quality Control
Summit Scientific

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

Batch BHD0260 - General Preparation

Duplicate (BHD0260-DUP1)		Source: 2404066-04			Prepared & Analyzed: 04/09/24			
% Solids	94.2		%		94.3		0.138	20

Summit Scientific



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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - UPV 5-5H3
 Project Number: UWRWE-A3299-ABN
 Project Manager: Paul Henchan

Reported:
 06/10/24 13:17

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

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

Batch BHD0710 - General Preparation

Blank (BHD0710-BLK1)

Prepared: 04/20/24 Analyzed: 04/22/24

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BHD0710-BS1)

Prepared: 04/20/24 Analyzed: 04/22/24

Specific Conductance (EC) 0.154 0.0100 mmhos/cm 0.150 103 95-105

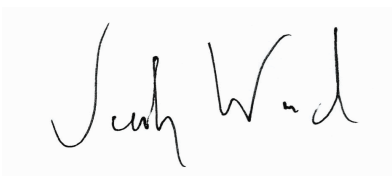
Duplicate (BHD0710-DUP1)

Source: 2404065-01

Prepared: 04/20/24 Analyzed: 04/22/24

Specific Conductance (EC) 0.157 0.0100 mmhos/cm 0.160 1.58 20

Summit Scientific



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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - UPV 5-5H3
 Project Number: UWRWE-A3299-ABN
 Project Manager: Paul Henchan

Reported:
 06/10/24 13:17

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

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

Batch BHD0709 - General Preparation

LCS (BHD0709-BS1)

Prepared: 04/20/24 Analyzed: 04/22/24

pH	9.11		pH Units	9.18		99.2	95-105		
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Duplicate (BHD0709-DUP1)

Source: 2404065-01

Prepared: 04/20/24 Analyzed: 04/22/24

pH	6.66		pH Units			6.71		0.748	20
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Batch BHE0694 - General Preparation

LCS (BHE0694-BS1)

Prepared: 05/22/24 Analyzed: 05/23/24

pH	9.24		pH Units	9.18		101	95-105		
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Duplicate (BHE0694-DUP1)

Source: 2404067-01RE1

Prepared: 05/22/24 Analyzed: 05/23/24

pH	9.53		pH Units			9.54		0.105	20
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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 - UPV 5-5H3

Project Number: UWRWE-A3299-ABN
Project Manager: Paul Henchan

Reported:
06/10/24 13:17

Notes and Definitions

- 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.
- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The associated LCS and/or LCSD were within acceptance limits, therefore the data are considered valid.
- 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

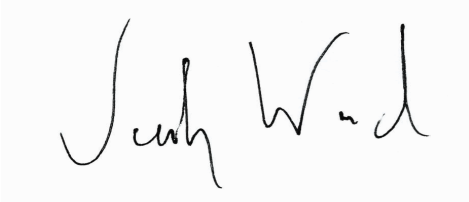
June 10, 2024

Paul Henchan
Fremont Environmental
PO Box 1289
Wellington, CO 80549

RE: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds
Work Order #2404065

Enclosed are the results of analyses for samples received by Summit Scientific on 04/04/24 17:23. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink that reads "Jacob Wood". The signature is written in a cursive style with a large initial "J" and a long horizontal stroke at the end.

Jacob Wood For Paul Shrewsbury
President



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds)
Project Number: UWRWE-A3299-ABN
Project Manager: Paul Henchan

Reported:
06/10/24 13:05

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BKG01@6.0"	2404065-01	Soil	04/03/24 00:00	04/04/24 17:23
BKG01@4.0'	2404065-02	Soil	04/03/24 00:00	04/04/24 17:23
BKG01@5.0'	2404065-03	Soil	04/03/24 00:00	04/04/24 17:23
BKG02@6.0"	2404065-04	Soil	04/03/24 00:00	04/04/24 17:23
BKG02@4.0'	2404065-05	Soil	04/03/24 00:00	04/04/24 17:23
BKG02@5.0'	2404065-06	Soil	04/03/24 00:00	04/04/24 17:23
BKG03@6.0"	2404065-07	Soil	04/03/24 00:00	04/04/24 17:23
BKG03@4.0'	2404065-08	Soil	04/03/24 00:00	04/04/24 17:23
BKG03@5.0'	2404065-09	Soil	04/03/24 00:00	04/04/24 17:23
BKG04@6.0"	2404065-10	Soil	04/03/24 00:00	04/04/24 17:23
BKG04@4.0'	2404065-11	Soil	04/03/24 00:00	04/04/24 17:23
BKG04@5.0'	2404065-12	Soil	04/03/24 00:00	04/04/24 17:23
BKG05@6.0"	2404065-13	Soil	04/03/24 00:00	04/04/24 17:23
BKG05@4.0'	2404065-14	Soil	04/03/24 00:00	04/04/24 17:23
BKG05@5.0'	2404065-15	Soil	04/03/24 00:00	04/04/24 17:23

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.

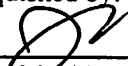

SUMMIT SCIENTIFIC

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

Lab ID	Page <u>1</u> of <u>1</u>
2404065	

Send Data To:		Send Invoice To:	
Client: Fremont Env	Project Manager: Paul Henehan	Company: Noble	
Address:	E-Mail: Paulh@fremontenv.com	Project Name/Location:	
City/State/Zip:	jeff@fremontenv.com Ethanh@fremontenv.com	AFE#:	
Phone:	Project Name: UPV TSN-R63U-SS LOVUPV S-SHG (B...	PO/Billing Codes: UWRWE-AJ299-ABN	
Sampler Name: JG	Project Number:	Contact:	

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix				Analysis Requested				Special Instructions	
					HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other	EC, PH, SAR, Baran	Metals (915)				
1	BK601@6.0"	4/3/24		1			X			X			X	X				
2	BK601@4.0'																	
3	BK601@5.0'																	
4	BK602@6.0"																	
5	BK602@4.0'																	
6	BK602@5.0'																	
7	BK603@6.0"																	
8	BK603@4.0'																	
9	BK603@5.0'																	
10	BK604@6.0"																	
11	BK604@4.0'																	
12	BK604@5.0'																	
13	BK605@6.0"																	
14	BK605@4.0'																	
15	BK605@5.0'																	

Relinquished by: 	Date/Time: 4/4/24	Received by: 	Date/Time: 4/4/24 17:23	TAT Business Days	Field DO	Notes:
				Same Day	Field EC	
Relinquished by:	Date/Time:	Received by:	Date/Time:	1 Day	Field ORP	
				2 Days	Field pH	
Relinquished by:	Date/Time:	Received by:	Date/Time:	3 Days	Field Temp.	
				Standard	X Field Turb.	
Temperature Upon Receipt: 23.7	Corrected Temperature	IR gun #: 2	HNO3 lot #:			

S₂

Sample Receipt Checklist

S2 Work Order# 2404065

Client: Fremont Client Project ID: Noble - UPV 55N - R63W - S5 L01 / UPV 5-5H3 (Backgrounds)

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

Airbill #: _____

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

Temp (°C) 23.7

Thermometer # 2

	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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded? ⁽¹⁾	<input type="checkbox"/>	<input checked="" 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

4/9/24
Date/Time



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds)

Project Number: UWRWE-A3299-ABN
Project Manager: Paul Henchan

Reported:
06/10/24 13:05

BKG01@6.0"
2404065-01 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHD0403	04/12/24	04/30/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.65	0.200	mg/kg dry	1	BHD0680	04/19/24	05/10/24	EPA 6020B	
Barium	36.0	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	3.63	0.400	"	"	"	"	"	"	
Lead	4.01	0.200	"	"	"	"	"	"	
Nickel	3.03	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	9.95	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHD0516	04/16/24	04/17/24	EPA 7196A	

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

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	40.8	0.0500	mg/L dry	1	BHD0705	04/20/24	05/17/24	EPA 6020B	
Magnesium	8.45	0.0500	"	"	"	"	"	"	
Sodium	1.31	0.0500	"	"	"	"	"	"	

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 - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds)
 Project Number: UWRWE-A3299-ABN
 Project Manager: Paul Henchan

Reported:
 06/10/24 13:05

BKG01@6.0"
2404065-01 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.0488	0.00100	units	1	BHE0617	05/20/24	05/20/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	94.3		%	1	BHD0358	04/11/24	04/12/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.160	0.0100	mmhos/cm	1	BHD0710	04/20/24	04/22/24	EPA 120.1	

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

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	6.71		pH Units	1	BHD0709	04/20/24	04/22/24	EPA 9045D	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds)
Project Number: UWRWE-A3299-ABN
Project Manager: Paul Henchan

Reported:
06/10/24 13:05

BKG01@4.0'
2404065-02 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHD0403	04/12/24	04/30/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Barium	41.1	0.360	mg/kg dry	1	BHD0680	04/19/24	05/10/24	EPA 6020B	
Cadmium	ND	0.180	"	"	"	"	"	"	
Copper	3.00	0.360	"	"	"	"	"	"	
Lead	3.64	0.180	"	"	"	"	"	"	
Nickel	2.93	0.360	"	"	"	"	"	"	
Silver	ND	0.0180	"	"	"	"	"	"	
Zinc	9.35	0.360	"	"	"	"	"	"	
Selenium	ND	0.234	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHD0516	04/16/24	04/17/24	EPA 7196A	

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

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	42.6	0.0500	mg/L dry	1	BHD0705	04/20/24	05/17/24	EPA 6020B	
Magnesium	5.94	0.0500	"	"	"	"	"	"	
Sodium	1.51	0.0500	"	"	"	"	"	"	

Calculated Analysis

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds

Project Number: UWRWE-A3299-ABN
 Project Manager: Paul Henchan

Reported:
 06/10/24 13:05

BKG01@4.0'
2404065-02 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.0574	0.00100	units	1	BHE0617	05/20/24	05/20/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	97.7		%	1	BHD0358	04/11/24	04/12/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.128	0.0100	mmhos/cm	1	BHD0710	04/20/24	04/22/24	EPA 120.1	

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds)

Project Number: UWRWE-A3299-ABN
 Project Manager: Paul Henchan

Reported:
 06/10/24 13:05

BKG01@4.0'
2404065-02 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	2.05	0.179	mg/kg dry	1	BHE0700	04/19/24	06/03/24	EPA 6020B	


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

I-04

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	8.55		pH Units	1	BHE0693	05/22/24	05/23/24	EPA 9045D	

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds)

Project Number: UWRWE-A3299-ABN
Project Manager: Paul Henchan

Reported:
06/10/24 13:05

BKG01@5.0'
2404065-03 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHD0403	04/12/24	04/30/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Barium	35.7	0.400	mg/kg dry	1	BHD0680	04/19/24	05/10/24	EPA 6020B	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	2.45	0.400	"	"	"	"	"	"	
Lead	2.97	0.200	"	"	"	"	"	"	
Nickel	2.52	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	7.56	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHD0516	04/16/24	04/17/24	EPA 7196A	

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

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	178	0.0500	mg/L dry	1	BHD0705	04/20/24	05/17/24	EPA 6020B	
Magnesium	5.94	0.0500	"	"	"	"	"	"	
Sodium	1.77	0.0500	"	"	"	"	"	"	

Calculated Analysis

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds

Project Number: UWRWE-A3299-ABN
 Project Manager: Paul Henchan

Reported:
 06/10/24 13:05

BKG01@5.0'
2404065-03 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.0356	0.00100	units	1	BHE0617	05/20/24	05/20/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	97.9		%	1	BHD0358	04/11/24	04/12/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	8.54	0.0100	mmhos/cm	1	BHD0710	04/20/24	04/22/24	EPA 120.1	

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds)
 Project Number: UWRWE-A3299-ABN
 Project Manager: Paul Henchan

Reported:
 06/10/24 13:05

BKG01@5.0'
2404065-03 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	2.49	0.200	mg/kg dry	1	BHE0700	04/19/24	06/03/24	EPA 6020B	


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

I-04

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	8.99		pH Units	1	BHE0693	05/22/24	05/23/24	EPA 9045D	

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds

Project Number: UWRWE-A3299-ABN
Project Manager: Paul Henchan

Reported:
06/10/24 13:05

BKG02@6.0"
2404065-04 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHD0403	04/12/24	04/30/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.73	0.200	mg/kg dry	1	BHD0680	04/19/24	05/10/24	EPA 6020B	
Barium	40.8	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	4.19	0.400	"	"	"	"	"	"	
Lead	4.21	0.200	"	"	"	"	"	"	
Nickel	3.53	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	10.8	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHD0516	04/16/24	04/17/24	EPA 7196A	

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

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	54.0	0.0500	mg/L dry	1	BHD0705	04/20/24	05/17/24	EPA 6020B	
Magnesium	9.19	0.0500	"	"	"	"	"	"	
Sodium	0.995	0.0500	"	"	"	"	"	"	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds)
Project Number: UWRWE-A3299-ABN
Project Manager: Paul Henchan

Reported:
06/10/24 13:05

BKG02@6.0"
2404065-04 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.0329	0.00100	units	1	BHE0617	05/20/24	05/20/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	94.0		%	1	BHD0358	04/11/24	04/12/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.0822	0.0100	mmhos/cm	1	BHD0710	04/20/24	04/22/24	EPA 120.1	

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

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	6.63		pH Units	1	BHD0709	04/20/24	04/22/24	EPA 9045D	

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds)

Project Number: UWRWE-A3299-ABN
Project Manager: Paul Henchan

Reported:
06/10/24 13:05

BKG02@4.0'
2404065-05 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHD0403	04/12/24	04/30/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	2.31	0.200	mg/kg dry	1	BHD0680	04/19/24	05/10/24	EPA 6020B	
Barium	68.1	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	3.06	0.400	"	"	"	"	"	"	
Lead	3.93	0.200	"	"	"	"	"	"	
Nickel	3.23	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	9.64	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHD0516	04/16/24	04/17/24	EPA 7196A	

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

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	66.8	0.0500	mg/L dry	1	BHD0705	04/20/24	05/17/24	EPA 6020B	
Magnesium	4.29	0.0500	"	"	"	"	"	"	
Sodium	3.62	0.0500	"	"	"	"	"	"	

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds

Project Number: UWRWE-A3299-ABN
 Project Manager: Paul Henchan

Reported:
 06/10/24 13:05

BKG02@4.0'
2404065-05 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.116	0.00100	units	1	BHE0617	05/20/24	05/20/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	96.9		%	1	BHD0358	04/11/24	04/12/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.232	0.0100	mmhos/cm	1	BHD0710	04/20/24	04/22/24	EPA 120.1	

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds)

Project Number: UWRWE-A3299-ABN
 Project Manager: Paul Henchan

Reported:
 06/10/24 13:05

BKG02@4.0'
2404065-05 (Soil)

Summit Scientific


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

I-04

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	8.68		pH Units	1	BHE0693	05/22/24	05/23/24	EPA 9045D	

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds

Project Number: UWRWE-A3299-ABN
Project Manager: Paul Henchan

Reported:
06/10/24 13:05

BKG02@5.0'
2404065-06 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHD0403	04/12/24	04/30/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.72	0.200	mg/kg dry	1	BHD0680	04/19/24	05/10/24	EPA 6020B	
Barium	30.8	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	2.59	0.400	"	"	"	"	"	"	
Lead	3.65	0.200	"	"	"	"	"	"	
Nickel	3.02	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	8.81	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHD0516	04/16/24	04/17/24	EPA 7196A	

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

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	302	0.0500	mg/L dry	1	BHD0705	04/20/24	05/17/24	EPA 6020B	
Magnesium	20.6	0.0500	"	"	"	"	"	"	
Sodium	3.84	0.0500	"	"	"	"	"	"	

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds

Project Number: UWRWE-A3299-ABN
 Project Manager: Paul Henchan

Reported:
 06/10/24 13:05

BKG02@5.0'
2404065-06 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.0577	0.00100	units	1	BHE0617	05/20/24	05/20/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	97.5		%	1	BHD0358	04/11/24	04/12/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.119	0.0100	mmhos/cm	1	BHD0710	04/20/24	04/22/24	EPA 120.1	

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds)

Project Number: UWRWE-A3299-ABN
 Project Manager: Paul Henchan

Reported:
 06/10/24 13:05

BKG02@5.0'
2404065-06 (Soil)

Summit Scientific


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

I-04

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	9.06		pH Units	1	BHE0693	05/22/24	05/23/24	EPA 9045D	

Summit Scientific



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PO Box 1289
Wellington CO, 80549

Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds

Project Number: UWRWE-A3299-ABN
Project Manager: Paul Henchan

Reported:
06/10/24 13:05

BKG03@6.0"
2404065-07 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHD0403	04/12/24	04/30/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Barium	31.5	0.400	mg/kg dry	1	BHD0680	04/19/24	05/10/24	EPA 6020B	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	3.29	0.400	"	"	"	"	"	"	
Lead	3.45	0.200	"	"	"	"	"	"	
Nickel	2.66	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	9.53	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHD0516	04/16/24	04/17/24	EPA 7196A	

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

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	79.2	0.0500	mg/L dry	1	BHD0705	04/20/24	05/17/24	EPA 6020B	
Magnesium	14.1	0.0500	"	"	"	"	"	"	
Sodium	0.781	0.0500	"	"	"	"	"	"	

Calculated Analysis

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds)

Project Number: UWRWE-A3299-ABN
 Project Manager: Paul Henchan

Reported:
 06/10/24 13:05

BKG03@6.0"
2404065-07 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.0212	0.00100	units	1	BHE0617	05/20/24	05/20/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	93.8		%	1	BHD0358	04/11/24	04/12/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.0781	0.0100	mmhos/cm	1	BHD0710	04/20/24	04/22/24	EPA 120.1	

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds)
 Project Number: UWRWE-A3299-ABN
 Project Manager: Paul Henchan

Reported:
 06/10/24 13:05

BKG03@6.0"
2404065-07 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.68	0.200	mg/kg dry	1	BHE0700	04/19/24	06/03/24	EPA 6020B	

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

I-04

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	7.08		pH Units	1	BHE0693	05/22/24	05/23/24	EPA 9045D	

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds)

Project Number: UWRWE-A3299-ABN
Project Manager: Paul Henchan

Reported:
06/10/24 13:05

BKG03@4.0'
2404065-08 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHD0403	04/12/24	04/30/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Barium	85.9	0.400	mg/kg dry	1	BHD0680	04/19/24	05/10/24	EPA 6020B	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	2.57	0.400	"	"	"	"	"	"	
Lead	3.39	0.200	"	"	"	"	"	"	
Nickel	2.75	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	8.71	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHD0516	04/16/24	04/17/24	EPA 7196A	

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

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	76.0	0.0500	mg/L dry	1	BHD0705	04/20/24	05/17/24	EPA 6020B	
Magnesium	3.78	0.0500	"	"	"	"	"	"	
Sodium	2.19	0.0500	"	"	"	"	"	"	

Calculated Analysis

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds

Project Number: UWRWE-A3299-ABN
 Project Manager: Paul Henchan

Reported:
 06/10/24 13:05

BKG03@4.0'
2404065-08 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.0665	0.00100	units	1	BHE0617	05/20/24	05/20/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	97.3		%	1	BHD0358	04/11/24	04/12/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.128	0.0100	mmhos/cm	1	BHD0710	04/20/24	04/22/24	EPA 120.1	

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds)
 Project Number: UWRWE-A3299-ABN
 Project Manager: Paul Henchan

Reported:
 06/10/24 13:05

BKG03@4.0'
2404065-08 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	2.05	0.200	mg/kg dry	1	BHE0700	04/19/24	06/03/24	EPA 6020B	


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

I-04

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	8.91		pH Units	1	BHE0693	05/22/24	05/23/24	EPA 9045D	

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds

Project Number: UWRWE-A3299-ABN
Project Manager: Paul Henchan

Reported:
06/10/24 13:05

BKG03@5.0'
2404065-09 (Soil)

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Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHD0403	04/12/24	04/30/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	6.38	0.179	mg/kg dry	1	BHD0680	04/19/24	05/10/24	EPA 6020B	
Barium	82.3	0.357	"	"	"	"	"	"	
Cadmium	ND	0.179	"	"	"	"	"	"	
Copper	4.02	0.357	"	"	"	"	"	"	
Lead	3.80	0.179	"	"	"	"	"	"	
Nickel	3.93	0.357	"	"	"	"	"	"	
Silver	ND	0.0179	"	"	"	"	"	"	
Zinc	11.7	0.357	"	"	"	"	"	"	
Selenium	ND	0.232	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHD0516	04/16/24	04/17/24	EPA 7196A	

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

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	122	0.0500	mg/L dry	1	BHD0705	04/20/24	05/17/24	EPA 6020B	
Magnesium	7.30	0.0500	"	"	"	"	"	"	
Sodium	2.29	0.0500	"	"	"	"	"	"	

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds)

Project Number: UWRWE-A3299-ABN
 Project Manager: Paul Henchan

Reported:
 06/10/24 13:05

BKG03@5.0'
2404065-09 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.0545	0.00100	units	1	BHE0617	05/20/24	05/20/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	97.8		%	1	BHD0358	04/11/24	04/12/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.107	0.0100	mmhos/cm	1	BHD0710	04/20/24	04/22/24	EPA 120.1	

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Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds

Project Number: UWRWE-A3299-ABN
 Project Manager: Paul Henchan

Reported:
 06/10/24 13:05

BKG03@5.0'
2404065-09 (Soil)

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

I-04

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	9.04		pH Units	1	BHE0693	05/22/24	05/23/24	EPA 9045D	

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Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds)

Project Number: UWRWE-A3299-ABN
Project Manager: Paul Henchan

Reported:
06/10/24 13:05

BKG04@6.0"
2404065-10 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHD0403	04/12/24	04/30/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Barium	32.4	0.400	mg/kg dry	1	BHD0680	04/19/24	05/10/24	EPA 6020B	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	2.65	0.400	"	"	"	"	"	"	
Lead	3.70	0.200	"	"	"	"	"	"	
Nickel	2.30	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	9.05	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHD0516	04/16/24	04/17/24	EPA 7196A	

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

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	83.6	0.0500	mg/L dry	1	BHD0705	04/20/24	05/17/24	EPA 6020B	
Magnesium	14.5	0.0500	"	"	"	"	"	"	
Sodium	0.774	0.0500	"	"	"	"	"	"	

Calculated Analysis

Summit Scientific

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Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds

Project Number: UWRWE-A3299-ABN
 Project Manager: Paul Henchan

Reported:
 06/10/24 13:05

BKG04@6.0"
2404065-10 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.0206	0.00100	units	1	BHE0617	05/20/24	05/20/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	93.9		%	1	BHD0358	04/11/24	04/12/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.0400	0.0100	mmhos/cm	1	BHD0710	04/20/24	04/22/24	EPA 120.1	

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Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds)
 Project Number: UWRWE-A3299-ABN
 Project Manager: Paul Henchan

Reported:
 06/10/24 13:05

BKG04@6.0"
2404065-10 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.66	0.200	mg/kg dry	1	BHE0700	04/19/24	06/03/24	EPA 6020B	


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

I-04

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	6.02		pH Units	1	BHE0693	05/22/24	05/23/24	EPA 9045D	

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Fremont Environmental
PO Box 1289
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Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds

Project Number: UWRWE-A3299-ABN
Project Manager: Paul Henchan

Reported:
06/10/24 13:05

BKG04@4.0'
2404065-11 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHD0403	04/12/24	04/30/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Barium	36.2	0.400	mg/kg dry	1	BHD0680	04/19/24	05/10/24	EPA 6020B	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	2.02	0.400	"	"	"	"	"	"	
Lead	3.28	0.200	"	"	"	"	"	"	
Nickel	2.11	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	7.98	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHD0516	04/16/24	04/17/24	EPA 7196A	

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

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	36.1	0.0500	mg/L dry	1	BHD0705	04/20/24	05/17/24	EPA 6020B	
Magnesium	6.57	0.0500	"	"	"	"	"	"	
Sodium	1.31	0.0500	"	"	"	"	"	"	

Calculated Analysis

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds)

Project Number: UWRWE-A3299-ABN
 Project Manager: Paul Henchan

Reported:
 06/10/24 13:05

BKG04@4.0'
2404065-11 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.0527	0.00100	units	1	BHE0617	05/20/24	05/20/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	97.2		%	1	BHD0358	04/11/24	04/12/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.0220	0.0100	mmhos/cm	1	BHD0710	04/20/24	04/22/24	EPA 120.1	

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

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.41		pH Units	1	BHD0709	04/20/24	04/22/24	EPA 9045D	

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds

Project Number: UWRWE-A3299-ABN
 Project Manager: Paul Henchan

Reported:
 06/10/24 13:05

BKG04@4.0'
2404065-11 (Soil)

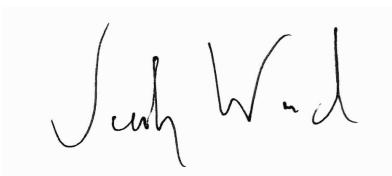
Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	2.21	0.200	mg/kg dry	1	BHE0700	04/19/24	06/03/24	EPA 6020B	

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds

Project Number: UWRWE-A3299-ABN
Project Manager: Paul Henchan

Reported:
06/10/24 13:05

BKG04@5.0'
2404065-12 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHD0403	04/12/24	04/30/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	2.00	0.200	mg/kg dry	1	BHD0680	04/19/24	05/10/24	EPA 6020B	
Barium	31.7	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	1.85	0.400	"	"	"	"	"	"	
Lead	2.36	0.200	"	"	"	"	"	"	
Nickel	1.88	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	7.27	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHD0516	04/16/24	04/17/24	EPA 7196A	

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

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	34.0	0.0500	mg/L dry	1	BHD0705	04/20/24	05/17/24	EPA 6020B	
Magnesium	6.42	0.0500	"	"	"	"	"	"	
Sodium	1.85	0.0500	"	"	"	"	"	"	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds)
Project Number: UWRWE-A3299-ABN
Project Manager: Paul Henchan

Reported:
06/10/24 13:05

BKG04@5.0'
2404065-12 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.0763	0.00100	units	1	BHE0617	05/20/24	05/20/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	97.2		%	1	BHD0358	04/11/24	04/12/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.0257	0.0100	mmhos/cm	1	BHD0710	04/20/24	04/22/24	EPA 120.1	

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

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	6.64		pH Units	1	BHD0709	04/20/24	04/22/24	EPA 9045D	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds)

Project Number: UWRWE-A3299-ABN
Project Manager: Paul Henchan

Reported:
06/10/24 13:05

BKG05@6.0"
2404065-13 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHD0403	04/12/24	04/30/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.81	0.200	mg/kg dry	1	BHD0680	04/19/24	05/10/24	EPA 6020B	
Barium	33.3	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	2.95	0.400	"	"	"	"	"	"	
Lead	4.06	0.200	"	"	"	"	"	"	
Nickel	2.29	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	9.75	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHD0516	04/16/24	04/17/24	EPA 7196A	

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

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	43.7	0.0500	mg/L dry	1	BHD0705	04/20/24	05/17/24	EPA 6020B	
Magnesium	7.96	0.0500	"	"	"	"	"	"	
Sodium	0.515	0.0500	"	"	"	"	"	"	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds)
Project Number: UWRWE-A3299-ABN
Project Manager: Paul Henchan

Reported:
06/10/24 13:05

BKG05@6.0"
2404065-13 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.0188	0.00100	units	1	BHE0617	05/20/24	05/20/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	94.2		%	1	BHD0358	04/11/24	04/12/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.0231	0.0100	mmhos/cm	1	BHD0710	04/20/24	04/22/24	EPA 120.1	

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

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	5.89		pH Units	1	BHD0709	04/20/24	04/22/24	EPA 9045D	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds

Project Number: UWRWE-A3299-ABN
Project Manager: Paul Henchan

Reported:
06/10/24 13:05

BKG05@4.0'
2404065-14 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHD0403	04/12/24	04/30/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Barium	28.5	0.400	mg/kg dry	1	BHD0680	04/19/24	05/10/24	EPA 6020B	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	1.86	0.400	"	"	"	"	"	"	
Lead	2.04	0.200	"	"	"	"	"	"	
Nickel	1.88	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	6.41	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHD0516	04/16/24	04/17/24	EPA 7196A	

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

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	39.0	0.0500	mg/L dry	1	BHD0705	04/20/24	05/17/24	EPA 6020B	
Magnesium	7.67	0.0500	"	"	"	"	"	"	
Sodium	0.513	0.0500	"	"	"	"	"	"	

Calculated Analysis

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds

Project Number: UWRWE-A3299-ABN
 Project Manager: Paul Henchan

Reported:
 06/10/24 13:05

BKG05@4.0'
2404065-14 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.0197	0.00100	units	1	BHE0617	05/20/24	05/20/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	97.5		%	1	BHD0358	04/11/24	04/12/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.0155	0.0100	mmhos/cm	1	BHD0710	04/20/24	04/22/24	EPA 120.1	

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds)
 Project Number: UWRWE-A3299-ABN
 Project Manager: Paul Henchan

Reported:
 06/10/24 13:05

BKG05@4.0'
2404065-14 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.50	0.200	mg/kg dry	1	BHE0700	04/19/24	06/03/24	EPA 6020B	


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

I-04

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	7.72		pH Units	1	BHE0693	05/22/24	05/23/24	EPA 9045D	

Summit Scientific



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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds)
Project Number: UWRWE-A3299-ABN
Project Manager: Paul Henchan

Reported:
06/10/24 13:05

BKG05@5.0'
2404065-15 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHD0403	04/12/24	04/30/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	0.0168	0.00197	mg/kg dry	1	BHD0680	04/19/24	05/10/24	EPA 6020B	
Barium	0.237	0.00394	"	"	"	"	"	"	
Cadmium	ND	0.00197	"	"	"	"	"	"	
Copper	0.0178	0.00394	"	"	"	"	"	"	
Lead	0.0219	0.00197	"	"	"	"	"	"	
Nickel	0.0151	0.00394	"	"	"	"	"	"	
Silver	ND	0.000197	"	"	"	"	"	"	
Zinc	0.0632	0.00394	"	"	"	"	"	"	
Selenium	ND	0.00256	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHD0516	04/16/24	04/17/24	EPA 7196A	

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

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	49.3	0.0500	mg/L dry	1	BHD0705	04/20/24	05/17/24	EPA 6020B	
Magnesium	10.1	0.0500	"	"	"	"	"	"	
Sodium	0.694	0.0500	"	"	"	"	"	"	

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds)

Project Number: UWRWE-A3299-ABN
 Project Manager: Paul Henchan

Reported:
 06/10/24 13:05

BKG05@5.0'
2404065-15 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.0235	0.00100	units	1	BHE0617	05/20/24	05/20/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	97.7		%	1	BHD0358	04/11/24	04/12/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.0171	0.0100	mmhos/cm	1	BHD0710	04/20/24	04/22/24	EPA 120.1	

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds)

Project Number: UWRWE-A3299-ABN
 Project Manager: Paul Henchan

Reported:
 06/10/24 13:05

BKG05@5.0'
2404065-15 (Soil)

Summit Scientific


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

I-04

Date Sampled: **04/03/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	7.81		pH Units	1	BHE0693	05/22/24	05/23/24	EPA 9045D	

Summit Scientific



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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds)

Project Number: UWRWE-A3299-ABN
 Project Manager: Paul Henchan

Reported:
 06/10/24 13:05

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

Summit Scientific

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

Batch BHD0403 - EPA 3050B

Blank (BHD0403-BLK1)

Prepared: 04/12/24 Analyzed: 04/30/24

Boron ND 2.00 mg/L

LCS (BHD0403-BS1)

Prepared: 04/12/24 Analyzed: 04/30/24

Boron 4.45 2.00 mg/L 5.00 89.1 80-120

Duplicate (BHD0403-DUP1)

Source: 2404065-01

Prepared: 04/12/24 Analyzed: 04/30/24

Boron 0.182 2.00 mg/L 0.213 15.7 20

Matrix Spike (BHD0403-MS1)

Source: 2404065-01

Prepared: 04/12/24 Analyzed: 04/30/24

Boron 4.91 2.00 mg/L 4.98 0.213 94.3 75-125


Matrix Spike Dup (BHD0403-MSD1)

Source: 2404065-01

Prepared: 04/12/24 Analyzed: 04/30/24

Boron 5.13 2.00 mg/L 4.98 0.213 98.6 75-125 4.32 25

Summit Scientific



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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds

Project Number: UWRWE-A3299-ABN
Project Manager: Paul Henchan

Reported:
06/10/24 13:05

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BHD0680 - EPA 3050B

Blank (BHD0680-BLK1)

Prepared: 04/19/24 Analyzed: 05/10/24

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 (BHD0680-BS1)

Prepared: 04/19/24 Analyzed: 05/10/24

Arsenic	43.0	0.200	mg/kg wet	40.0	107	80-120
Barium	37.8	0.400	"	40.0	94.5	80-120
Cadmium	1.90	0.200	"	2.00	95.2	80-120
Copper	42.4	0.400	"	40.0	106	80-120
Lead	19.5	0.200	"	20.0	97.7	80-120
Nickel	42.0	0.400	"	40.0	105	80-120
Silver	1.94	0.0200	"	2.00	97.1	80-120
Zinc	39.5	0.400	"	40.0	98.8	80-120
Selenium	4.26	0.260	"	4.00	107	80-120

Duplicate (BHD0680-DUP1)

Source: 2404058-01

Prepared: 04/19/24 Analyzed: 05/10/24

Arsenic	1.08	0.200	mg/kg dry	1.03	4.60	20
Barium	33.9	0.400	"	33.5	1.18	20
Cadmium	0.0680	0.200	"	0.0708	4.10	20
Copper	2.60	0.400	"	2.54	2.35	20
Lead	2.86	0.200	"	2.81	1.85	20
Nickel	2.43	0.400	"	2.33	4.17	20
Silver	0.0140	0.0200	"	0.0141	0.546	20
Zinc	7.68	0.400	"	7.27	5.51	20
Selenium	ND	0.260	"	ND		20

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds

Project Number: UWRWE-A3299-ABN
Project Manager: Paul Henchan

Reported:
06/10/24 13:05

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BHD0680 - EPA 3050B

Matrix Spike (BHD0680-MS1)

Source: 2404058-01

Prepared: 04/19/24 Analyzed: 05/10/24

Arsenic	42.9	0.200	mg/kg dry	39.0	1.03	107	75-125			
Barium	66.0	0.400	"	39.0	33.5	83.2	75-125			
Cadmium	2.00	0.200	"	1.95	0.0708	98.7	75-125			
Copper	43.6	0.400	"	39.0	2.54	105	75-125			
Lead	21.9	0.200	"	19.5	2.81	97.9	75-125			
Nickel	43.2	0.400	"	39.0	2.33	105	75-125			
Silver	1.93	0.0200	"	1.95	0.0141	98.3	75-125			
Zinc	39.5	0.400	"	39.0	7.27	82.7	75-125			
Selenium	4.07	0.260	"	3.90	ND	104	75-125			

Matrix Spike Dup (BHD0680-MSD1)

Source: 2404058-01

Prepared: 04/19/24 Analyzed: 05/10/24

Arsenic	43.1	0.200	mg/kg dry	39.0	1.03	108	75-125	0.437	25
Barium	65.7	0.400	"	39.0	33.5	82.6	75-125	0.385	25
Cadmium	1.99	0.200	"	1.95	0.0708	98.4	75-125	0.274	25
Copper	43.7	0.400	"	39.0	2.54	105	75-125	0.157	25
Lead	21.9	0.200	"	19.5	2.81	97.6	75-125	0.250	25
Nickel	43.3	0.400	"	39.0	2.33	105	75-125	0.122	25
Silver	1.92	0.0200	"	1.95	0.0141	97.8	75-125	0.527	25
Zinc	38.5	0.400	"	39.0	7.27	80.0	75-125	2.70	25
Selenium	3.93	0.260	"	3.90	ND	101	75-125	3.51	25

Batch BHE0700 - EPA 3050B

Blank (BHE0700-BLK1)

Prepared: 05/22/24 Analyzed: 06/03/24

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	"						

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds

Project Number: UWRWE-A3299-ABN
Project Manager: Paul Henchan

Reported:
06/10/24 13:05

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BHE0700 - EPA 3050B

LCS (BHE0700-BS1)

Prepared: 05/22/24 Analyzed: 06/03/24

Arsenic	38.9	0.200	mg/kg wet	38.8	100	80-120
Barium	39.2	0.400	"	38.8	101	80-120
Cadmium	1.90	0.200	"	1.94	97.9	80-120
Copper	38.9	0.400	"	38.8	100	80-120
Lead	19.0	0.200	"	19.4	97.9	80-120
Nickel	39.1	0.400	"	38.8	101	80-120
Silver	1.89	0.0200	"	1.94	97.7	80-120
Zinc	38.4	0.400	"	38.8	99.0	80-120
Selenium	3.72	0.260	"	3.88	96.0	80-120

Duplicate (BHE0700-DUP1)

Source: 2404065-01RE1

Prepared: 05/22/24 Analyzed: 06/03/24

Arsenic	1.61	0.200	mg/kg dry	1.53	5.49	20
Barium	31.4	0.400	"	32.3	3.05	20
Cadmium	0.122	0.200	"	0.123	0.235	20
Copper	3.52	0.400	"	3.42	2.88	20
Lead	3.92	0.200	"	3.93	0.394	20
Nickel	2.92	0.400	"	2.86	2.04	20
Silver	0.0126	0.0200	"	0.0125	0.791	20
Zinc	12.9	0.400	"	12.6	2.49	20
Selenium	ND	0.260	"	ND		20

Matrix Spike (BHE0700-MS1)

Source: 2404065-01RE1

Prepared: 05/22/24 Analyzed: 06/03/24

Arsenic	39.3	0.181	mg/kg dry	38.4	1.53	98.3	75-125
Barium	71.1	0.362	"	38.4	32.3	101	75-125
Cadmium	2.02	0.181	"	1.92	0.123	99.0	75-125
Copper	41.7	0.362	"	38.4	3.42	99.6	75-125
Lead	22.3	0.181	"	19.2	3.93	95.5	75-125
Nickel	41.7	0.362	"	38.4	2.86	101	75-125
Silver	1.82	0.0181	"	1.92	0.0125	94.1	75-125
Zinc	51.8	0.362	"	38.4	12.6	102	75-125
Selenium	3.25	0.236	"	3.84	ND	84.5	75-125

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds)

Project Number: UWRWE-A3299-ABN
 Project Manager: Paul Henchan

Reported:
 06/10/24 13:05

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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


Batch BHE0700 - EPA 3050B

Matrix Spike Dup (BHE0700-MSD1)

Source: 2404065-01RE1 Prepared: 05/22/24 Analyzed: 06/03/24

Analyte	Result	Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	Limit
Arsenic	39.4	0.181	mg/kg dry	38.4	1.53	98.6	75-125	0.292	25
Barium	71.7	0.362	"	38.4	32.3	102	75-125	0.754	25
Cadmium	2.04	0.181	"	1.92	0.123	100	75-125	0.906	25
Copper	41.7	0.362	"	38.4	3.42	99.8	75-125	0.167	25
Lead	22.5	0.181	"	19.2	3.93	96.9	75-125	1.17	25
Nickel	41.5	0.362	"	38.4	2.86	101	75-125	0.268	25
Silver	1.83	0.0181	"	1.92	0.0125	94.8	75-125	0.652	25
Zinc	51.7	0.362	"	38.4	12.6	102	75-125	0.206	25
Selenium	3.24	0.236	"	3.84	ND	84.4	75-125	0.201	25

Summit Scientific



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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds)

Project Number: UWRWE-A3299-ABN
 Project Manager: Paul Henchan

Reported:
 06/10/24 13:05

Hexavalent Chromium by EPA Method 7196 - Quality Control
Summit Scientific

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

Batch BHD0516 - 3060A Mod

Blank (BHD0516-BLK1)

Prepared: 04/16/24 Analyzed: 04/17/24

Chromium, Hexavalent ND 0.30 mg/kg wet

LCS (BHD0516-BS1)

Prepared: 04/16/24 Analyzed: 04/17/24

Chromium, Hexavalent 24.8 0.30 mg/kg wet 25.0 99.0 80-120

Duplicate (BHD0516-DUP1)

Source: 2404065-01

Prepared: 04/16/24 Analyzed: 04/17/24

Chromium, Hexavalent ND 0.30 mg/kg dry ND 20

Matrix Spike (BHD0516-MS1)

Source: 2404065-01

Prepared: 04/16/24 Analyzed: 04/17/24

Chromium, Hexavalent 24.8 0.30 mg/kg dry 26.5 ND 93.4 75-125

Matrix Spike Dup (BHD0516-MSD1)

Source: 2404065-01

Prepared: 04/16/24 Analyzed: 04/17/24

Chromium, Hexavalent 24.8 0.30 mg/kg dry 26.5 ND 93.6 75-125 0.214 20

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds)

Project Number: UWRWE-A3299-ABN
 Project Manager: Paul Henchan

Reported:
 06/10/24 13:05

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

Summit Scientific

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

Batch BHD0705 - General Preparation

Blank (BHD0705-BLK1)

Prepared: 04/20/24 Analyzed: 05/17/24

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

LCS (BHD0705-BS1)

Prepared: 04/20/24 Analyzed: 05/17/24

Calcium	5.33	0.0500	mg/L wet	5.00	107	70-130				
Magnesium	5.43	0.0500	"	5.00	109	70-130				
Sodium	5.54	0.0500	"	5.00	111	70-130				

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds)

Project Number: UWRWE-A3299-ABN
 Project Manager: Paul Henchan

Reported:
 06/10/24 13:05

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

Summit Scientific

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

Batch BHD0358 - General Preparation

Duplicate (BHD0358-DUP1)	Source: 2404052-01	Prepared: 04/11/24	Analyzed: 04/12/24		
% Solids	87.7	%	87.6	0.0341	20

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds)

Project Number: UWRWE-A3299-ABN
 Project Manager: Paul Henchan

Reported:
 06/10/24 13:05

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

Summit Scientific

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

Batch BHD0710 - General Preparation

Blank (BHD0710-BLK1)

Prepared: 04/20/24 Analyzed: 04/22/24

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BHD0710-BS1)

Prepared: 04/20/24 Analyzed: 04/22/24

Specific Conductance (EC) 0.154 0.0100 mmhos/cm 0.150 103 95-105

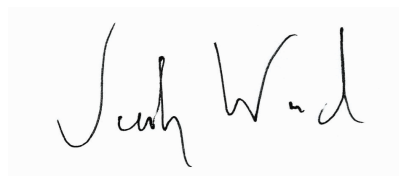
Duplicate (BHD0710-DUP1)

Source: 2404065-01

Prepared: 04/20/24 Analyzed: 04/22/24

Specific Conductance (EC) 0.157 0.0100 mmhos/cm 0.160 1.58 20

Summit Scientific



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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds)
 Project Number: UWRWE-A3299-ABN
 Project Manager: Paul Henchan

Reported:
 06/10/24 13:05

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

Summit Scientific

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

Batch BHD0709 - General Preparation

LCS (BHD0709-BS1)

Prepared: 04/20/24 Analyzed: 04/22/24

pH	9.11		pH Units	9.18		99.2	95-105			
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Duplicate (BHD0709-DUP1)

Source: 2404065-01

Prepared: 04/20/24 Analyzed: 04/22/24

pH	6.66		pH Units			6.71		0.748	20	
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Batch BHE0693 - General Preparation

LCS (BHE0693-BS1)

Prepared: 05/22/24 Analyzed: 05/23/24

pH	9.24		pH Units	9.18		101	95-105			
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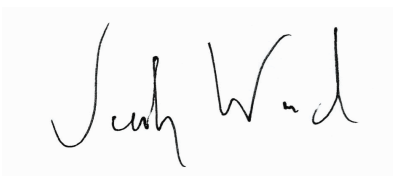
Duplicate (BHE0693-DUP1)

Source: 2404065-01RE1

Prepared: 05/22/24 Analyzed: 05/23/24

pH	7.08		pH Units			7.06		0.283	20	
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Summit Scientific



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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - UPV T5N-R63W-S5 L01/UPV 5-5H3 (Backgrounds

Project Number: UWRWE-A3299-ABN
Project Manager: Paul Henchan

Reported:
06/10/24 13:05

Notes and Definitions

I-04 Sample was analyzed out of recommended holding time per clients request.

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