FREMONT ENVIRONMENTAL INC.

May 17, 2023

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

Subject: **Facility Closure Data Submittal**
31-4-64 SENE Tank Battery
SENE Sec. 31, T4N, R64W
Weld County, Colorado
Fremont Project No. C023-135
Facility # 467637, Remediation #26965

Dear Mr. Peterson:

As you requested, Fremont Environmental Inc. (Fremont) personnel conducted Facility Closure activities for the Noble Energy Inc. (Noble) 31-4-64 SENE Tank Battery. Impacted soil was encountered during abandonment activities. Details of the 31-4-64 SENE Tank Battery facility 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

1759 REDWING LANE, BROOMFIELD, CO 80020
(303) 956-8714 (DIRECT)

Tank Battery Closure Checklist

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

Additional attachments (optional):		Pit Closure		Wellhead Closure		Flowline Closure	X	Partially Buried Vault Closure

Site Name & COGCC Facility Number: 31-4-64 SENE Tank Battery Facility ID: 467637	*Date:* 05/17/2023	*Remediation Project #:* 26965
Associated Wells: Timko C 31-22 Kildow PM C 31-8 Timko C 31-17	*Age of Site:* 1989	*Number of Photos Attached:* 7 Photos
Location: *(GPS coordinates of southeaster berm)* 40.270999, -104.584526		*Estimated Facility Size (acres):* ~1 Acre

General Condition of Site: *(General observations regarding housekeeping, corrosion, waste management, etc.)*

Good housekeeping. General condition for all the on-site equipment looked fine. Waste management well maintained.

USCS Soil Type: SC	*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)*

Impacts were discovered at the separator (SEP01@4.5'). Soil failed groundwater protection soil screening levels (GPSSLs) for Benzo (a) Anthracene. Refer to the volatile organic soil chemistry table (Table 1) for reference. Soil impacts were left in place. Further Investigation is required.

Salt Crusted Soils or Impacted Vegetation: *(Note estimated size and if impact appears to be surficial or extends to an unknown depth)*

None observed

Tanks

Tank Contents	Oil	Oil							
Size (barrels)	300 BBLS	300 BBLS							
Age	1989	1989							
Construction Material	Steel	Steel							
Tank type (AST/BBV, etc.)	AST	AST							
Visual Integrity of Tank	No Damage	No Damage							
Condition of tank footprint	No Impacts Noted	No Impacts Noted							
PID Readings	High @ 36.5ppm	High @ 37.9ppm							
Soil impacts present at valves or hatches?	No Impacts Noted	No Impacts Noted							
PID Readings	N/A	N/A							
Sample taken? Location/ Sample ID#	40.270841, -104.584496 AST01@6.0"	40.270879, -104.584497 AST02@6.0"							
Photo Number(s)	Photo 1A	Photo 2A							

Other observations regarding tanks:

Tanks removed prior to sampling event. An exceedance in pH (5.56) was discovered at the northern above ground storage tank (AST02@6.0"). Refer to the inorganic soil chemistry table (Table 3) for reference.

Separators

Separator size	UNK								
Vertical or Horizontal	Horizontal								
Age	1989								
Soil impacts observed? If yes	No Impacts Noted								
PID Readings	High @ 12.9ppm								
Sample taken? Location/ Sample ID#	40.271056, -104.584585 SEP01@4.5'								
Photo Number(s)	Photo 3A								

Other observations regarding separators

Separator removed prior to sampling event

Third Party Equipment

Type	Meter Shed								
Age	1989								

Third Party Operator	Unknown								
Removal Date	Still On-site								
Sample taken? Location/Sample	MET01@6.0"								
PID Readings	High @ 0.4ppm								
Photo Number(s)	Photo 6A								

Other Facility Equipment

Equipment type	Combustion Unit	Combustion Unit			
Equipment Condition	No Damage	No Damage			
Age	1989	1989			
Soil impacts observed during	No Impacts Noted	No Impacts Noted			
PID Readings	High @ 0.0ppm	High @ 0.2ppm			
Sample taken? Location/Sample	ECD01@6.0"	ECD02@6.0"			
Photo Number(s)	Photo 7A	Photo 8A			

Other observations regarding other facility or third party equipment:
Combustion Units removed prior to sampling event

Summary

Was impacted soil identified?
No | Yes - less than 10 cubic yards | Yes - more than 10 cubic yards

Total number of samples field screened: 3 Samples	*Total number of samples collected:* 7 Samples
Highest PID Reading: High at 37.9ppm (AST02@6.0")	*Total number of samples submitted to lab for analysis:* 4 Samples

If more than 10 cubic yards of impacted soil were observed:

Vertical extent: Unknown	*Estimated spill volume:* Unknown
Lateral extent: Unknown	*Volume of soil removed:* None

Is additional investigation required? Yes

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	

Buried or Partially Buried Vessel Closure Checklist

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

Additional attachments (optional):		Pit Closure		Wellhead Closure		Flowline Closure	X	Tank Battery Closure

Site Name & COGCC Facility Number: 31-4-64 SENE Tank Battery Facility ID: 467637	*Date:* 05/17/2023	*Remediation Project #:* 26965
Associated Wells: Timko C 31-22 Kildow PM C 31-8 Timko C 31-17	*Age of Site:* 1989	*Number of Photos Attached:* 7 Photos
Location: *(GPS coordinates of vault or southeastern tank berm for multiple)* 40.270913, -104.584516		*Estimated Facility Size (acres):* ~1 acre

General Condition of Site: *(General observations regarding housekeeping, corrosion, waste management, etc.)*

Good housekeeping. General condition for all the on-site equipment looked fine. Waste management well maintained.

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

Buried or Partially Buried Vessels

Tank Contents	Produced Water								
Size (barrels)	<100 BBLS								
Age	1989								
Construction Material	PBV Concrete								
Visual Integrity of Tank	No Damage								
Condition of tank footprint	No Impacts Noted								
PID Readings	High @ 21.4ppm								
Condition of dump line	No Damage								
PID Readings	High @ 10.1ppm DL01@4.0' DL02@5.0'								
Sample taken? Location/Sample ID#	PWVB01@6.0' PWVN01@5.0'								
Photo Number(s)	Photo 4A-4E & 5A-5B								

Other observations regarding partially buried vessels:

Dumplines were not trenched.

Summary

Was impacted soil identified?

No Yes - less than 10 cubic yards Yes - more than 10 cubic yards

Total number of samples field screened: 5 samples	*Total number of samples collected:* 7 samples
Highest PID Reading: High @ 21.4ppm (PWVN01@5.0')	*Total number of samples submitted to lab for analysis:* 2 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
SUMMARY OF VOLATILE ORGANIC SOIL CHEMISTRY DATA
NOBLE ENERGY INC.
31-4-64 SENE TANK BATTERY, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C023-135

Sample ID	Sample Date	Depth (ft)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-Benzene (mg/kg)	Xylenes (mg/kg)	1,2,4-Trimethyl-Benzene (mg/kg)	1,3,5-Trimethyl-Benzene (mg/kg)	Naphthalene (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)
COGCC Table 915-1 Limits (Residential SSL)			1.2	490	5.8	58	30	27	2	500**		
COGCC Table 915-1 Limits (Protection of Groundwater SSL)			0.0026	0.69	0.78	9.9	0.0081	0.0087	0.0038	500**		
AST01@6.0"	5/17/2023	0.5 Ft	*<0.0020*	*<0.0050*	*<0.0050*	*<0.010*	*<0.0050*	*<0.0050*	*<0.0038*	*<0.50*	*<50*	*<50*
AST02@6.0"	5/17/2023	0.5 Ft	*<0.0020*	*<0.0050*	*<0.0050*	*<0.010*	*<0.0050*	*<0.0050*	*<0.0038*	*<0.50*	*<50*	*<50*
SEP01@4.5'	5/17/2023	4.5 Ft	*<0.0020*	*<0.0050*	*<0.0050*	*<0.010*	*<0.0050*	*<0.0050*	*<0.0038*	*<0.50*	*<50*	*<50*
PWVB01@6.0'	5/17/2023	6.0 Ft	*<0.0020*	*<0.0050*	*<0.0050*	*<0.010*	*<0.0050*	*<0.0050*	*<0.0038*	*<0.50*	*<50*	*<50*
PWVN01@5.0'	5/17/2023	5.0 Ft	*<0.0020*	*<0.0050*	*<0.0050*	*<0.010*	*<0.0050*	*<0.0050*	*<0.0038*	*<0.50*	*<50*	*<50*

Bold faced values exceed the COGCC Table 915-1 concentrations

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

* Indicates laboratory minimum detection limit in excess of SSL

** Summation of GRO+DRO+ORO must be less than 500 mg/kg

TABLE 2
SUMMARY OF POLYCYCLIC AROMATIC HYDROCARBON SOIL CHEMISTRY DATA
NOBLE ENERGY INC.
31-4-64 SENE TANK BATTERY, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C023-135

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)
COGCC 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
COGCC 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
AST01@6.0"	5/17/2023	0.5 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*
AST02@6.0"	5/17/2023	0.5 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*
SEP01@4.5'	5/17/2023	4.5 Ft	0.00973	0.0178	**0.0317**	0.0196	0.0249	0.0100	0.0276	*<0.00500*	0.0846	0.0119	0.0135	0.0675	*<0.00500*	*<0.00500*
PWVB01@6.0'	5/17/2023	6.0 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*
PWVN01@5.0'	5/17/2023	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*

Bold faced values exceed the COGCC Table 915-1 concentrations

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

* Indicates laboratory minimum detection limit in excess of SSL

TABLE 3

SUMMARY OF SOIL SUITABILITY FOR RECLAMATION

NOBLE ENERGY INC.

31-4-64 SENE TANK BATTERY, WELD COUNTY, COLORADO

FREMONT PROJECT NO. C023-135

Sample ID	Sample Date	Depth (ft)	pH	EC (mmhos/cm)	SAR	Boron (mg/L)
COGCC Table 915-1 Soil Suitability Limits			6 - 8.3	<4	<6	2
AST01@6.0"	5/17/2023	0.5 Ft	6.91	0.157	0.0802	0.211
AST02@6.0"	5/17/2023	0.5 Ft	**5.56**	0.0526	0.129	0.109
SEP01@4.5'	5/17/2023	4.5 Ft	7.76	0.258	0.126	0.232
PWVB01@6.0'	5/17/2023	6.0 Ft	7.67	1.29	1.04	0.218
PWVN01@5.0'	5/17/2023	5.0 Ft	7.73	0.527	0.0859	0.0983
BKG01@6.0"	5/17/2023	0.5 Ft	6.20	0.103	0.0482	0.104

Bold faced values exceed the COGCC Table 915-1 concentrations

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

Local Background Sample (BKG01@6.0")

TABLE 4
SUMMARY OF METALS IN SOIL CHEMISTRY DATA
NOBLE ENERGY INC.
31-4-64 SENE TANK BATTERY, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C023-135

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)
COGCC Table 915-1 Limits (Residential SSL)			0.68	15000	71	0.3	3100	400	1500	390	390	23000
COGCC Table 915-1 Limits (Protection of Groundwater SSL)			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
SEP01@4.5'	5/17/2023	4.5 Ft	**2.06**	68.1	*<0.232*	*<0.30*	*<0.463*	5.22	4.44	*<0.301*	0.0301	14.6
BKG01@6.0"	5/17/2023	0.5 Ft	**0.430**	49.2	*<0.225*	*<0.30*	1.31	4.48	1.50	*<0.293*	*<0.0225*	4.74

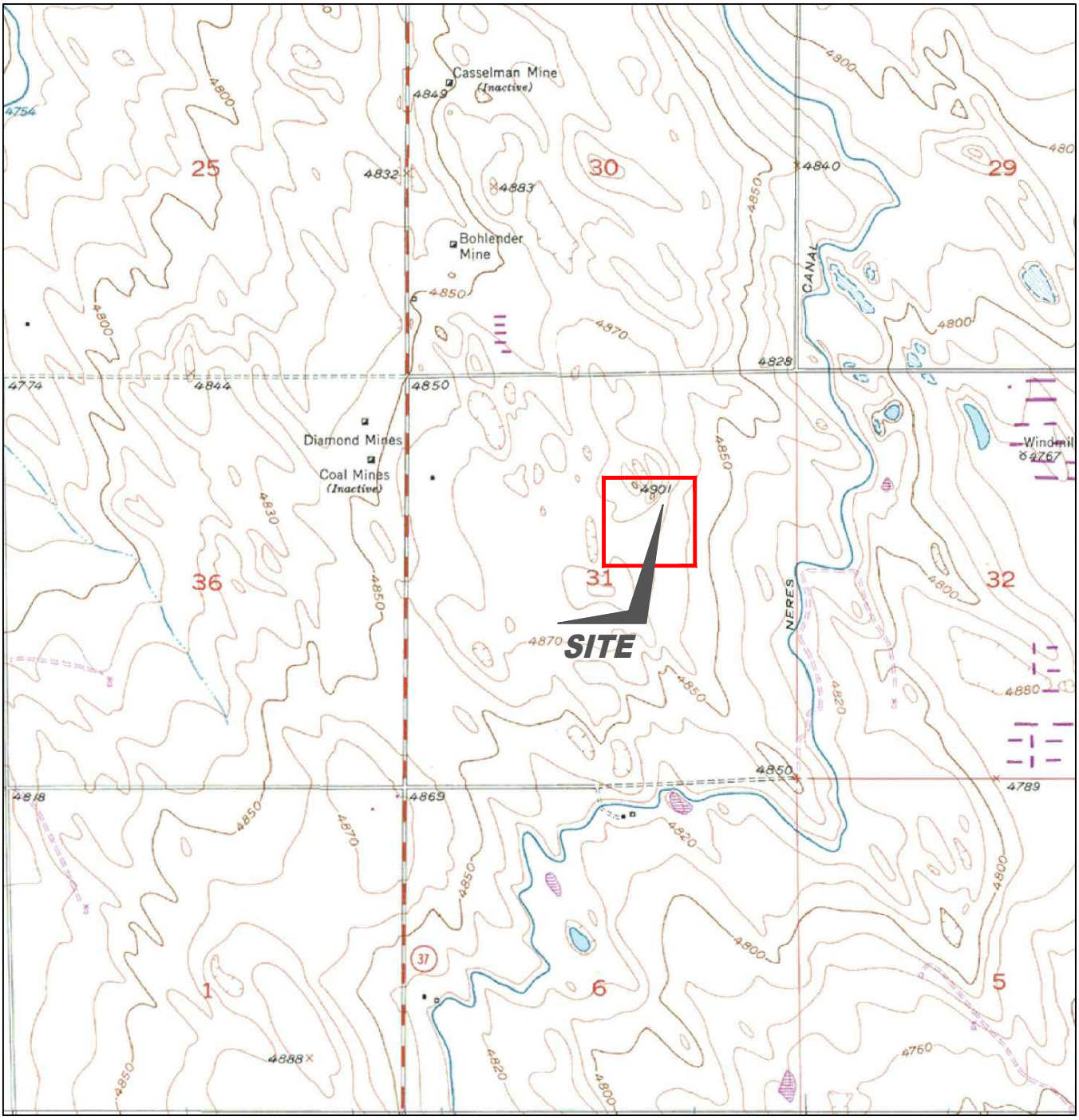
Bold faced values exceed the COGCC Table 915-1 concentrations

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

* Indicates laboratory minimum detection limit in excess of SSL

NA - Not analyzed

Local Background Sample (BKG01@6.0")



N

Scale (miles)

0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1

0 1000 2000 3000 4000 5000

Scale (feet)

USGS 7.5 MINUTE SERIES (TOPOGRAPHIC)

Figure 1

SITE LOCATION MAP

NOBLE ENERGY INC - 31-4-64 SENE Tank Battery

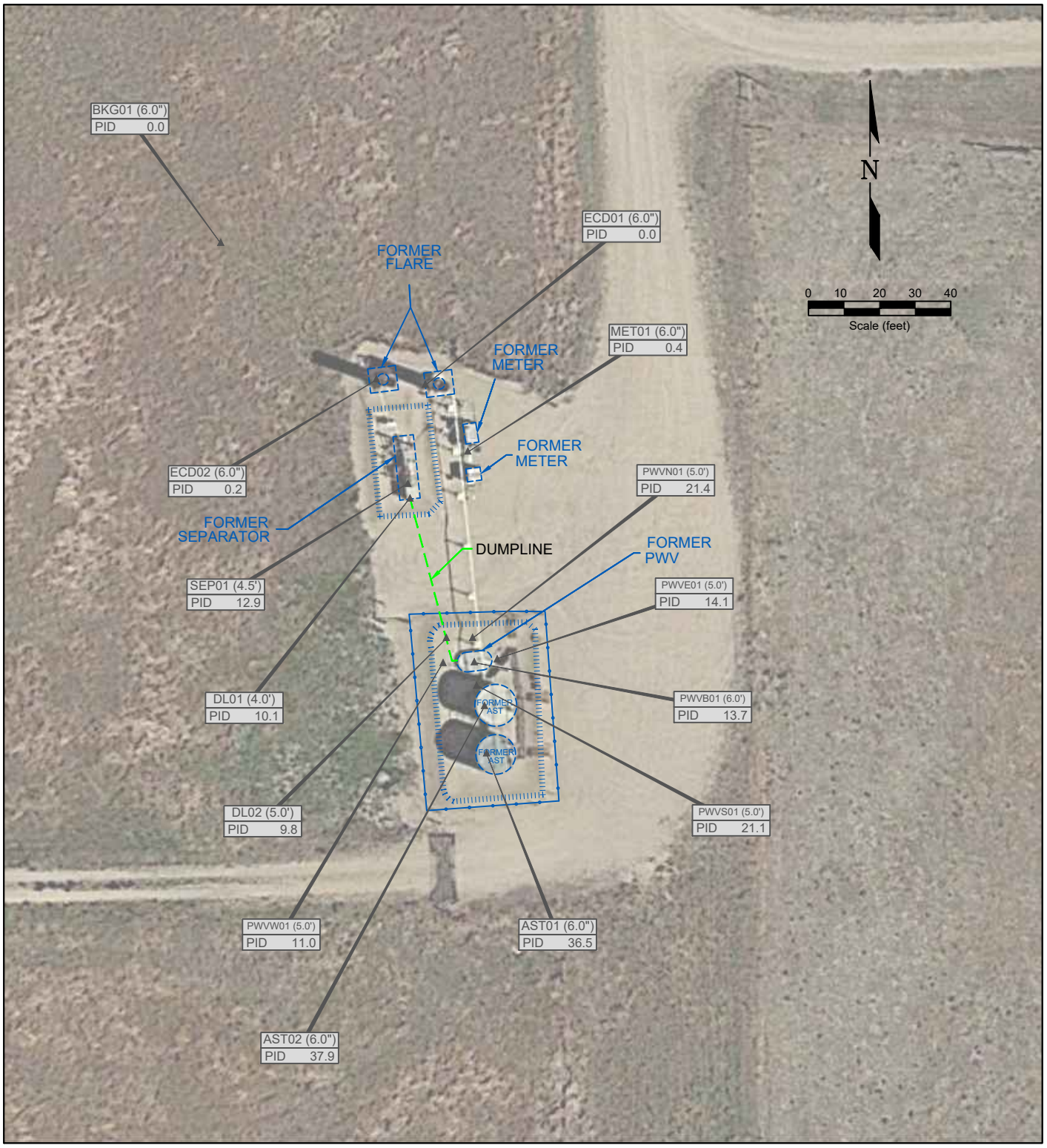
SENE Sec. 31, T4N, R64W, 6th PM

Weld County, Colorado

40.271089°, -104.584589°

Project #	API #	Facility #
CO23-135		**467637**
Date	Remediation #	Filename
10/31/2023	**26965**	**23135T**

FREMONT ENVIRONMENTAL



LEGEND

- WELLHEAD LOCATION
- PID READING LOCATION
- ABOVE GROUND STORAGE TANK
- FORMER FACILITY
- FLOW LINE
- CONTAINMENT BERM
- FENCE LINE
- DUMP LINE
- FL01 / PID 0.1 — PID READING LOCATION IDENTIFICATION / PHOTO IONIZATION DETECTION (ppm)

Figure 2

SITE MAP

NOBLE ENERGY INC - 31-4-64 SENE Tank Battery

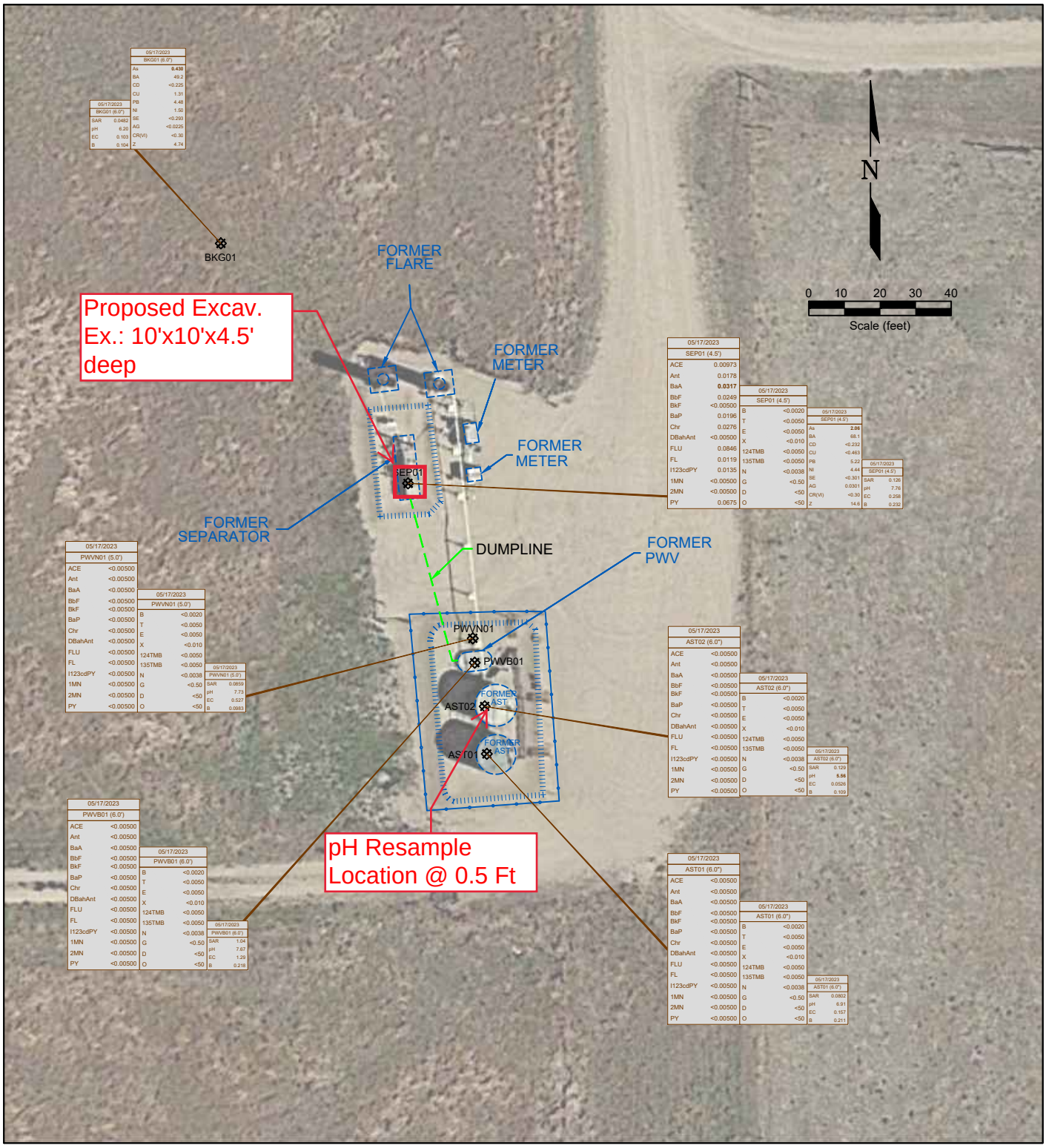
SENE Sec. 31, T4N, R64W, 6th PM

Weld County, Colorado

40.271089°, -104.584589°

Project #	API #	Facility #
CO23-135		**467637**
Date	Remediation #	Filename
10/31/2023	**26965**	**23135Q**

FREMONT ENVIRONMENTAL



LEGEND

- WELLHEAD LOCATION
- SOIL SAMPLE LOCATION
- ABOVE GROUND STORAGE TANK
- FORMER FACILITY
- FLOW LINE
- CONTAINMENT BERM
- FENCE LINE
- DUMP LINE

DATE SAMPLED
SAMPLE ID and DEPTH (ft)
ACENAPHTHENE (mg/kg)
ANTHRACENE (mg/kg)
BENZO (A) ANTHRACENE (mg/kg)
BENZO (B) FLUORANTHENE (mg/kg)
BENZO (K) FLUORANTHENE(mg/kg)
BENZO (A) PYRENE (mg/kg)
CHRYSENE (mg/kg)
DIBENZ (A,H) ANTHRACENE (mg/kg)
FLUORANTHENE (mg/kg)
FLUORENE (mg/kg)
INDENO (1,2,3-CD) PYRENE(mg/kg)
1-METHYLNAPHTHALENE (mg/kg)
2-METHYLNAPHTHALENE (mg/kg)
PYRENE (mg/kg)

DATE SAMPLED
SAMPLE ID & DEPTH (ft)
SAR (units)
pH (pH units)
EC (mmhos/cm)
BORON (mg/L)

DATE SAMPLED
SAMPLE ID & DEPTH (ft)
ARSENIC (mg/kg)
BARIUM (mg/kg)
CADMIUM (mg/kg)
COPPER (mg/kg)
LEAD (mg/kg)
NICKEL (mg/kg)
SELENIUM (mg/kg)
SILVER (mg/kg)
HEXAVALENT CHROMIUM (mg/kg)
ZINC (mg/kg)

DATE SAMPLED
SAMPLE ID and DEPTH (ft)
BENZENE (mg/kg)
TOLUENE (mg/kg)
ETHYLBENZENE (mg/kg)
TOTAL XYLENES (mg/kg)
1,2,4-TRIMETHYLBENZENE (mg/kg)
1,3,5-TRIMETHYLBENZENE (mg/kg)
NAPHTHALENE (mg/kg)
TPH-GRO (mg/kg)
TPH-DRO (mg/kg)
TPH-ORO (mg/kg)

[NA] NOT ANALYZED

Figure 3
SOIL CHEMISTRY MAP

NOBLE ENERGY INC - 31-4-64 SENE Tank Battery
SENE Sec. 31, T4N, R64W, 6th PM
Weld County, Colorado
40.271089°, -104.584589°

Project #	API #	Facility #
CO23-135		**467637**
Date	Remediation #	Filename
11/1/23	**26965**	**23135Q**

FREMONT ENVIRONMENTAL

Photo Log

Description:

#1A - 31-4-64 SENE Tank Battery - Southern Above Ground Storage Tank (Oil) - AST01@6.0" - No Impacts Noted - PID 36.5ppm

Photo Log

Description:

#2A - 31-4-64 SENE Tank Battery - Northern Above Ground Storage Tank (Oil) - AST02@6.0" - No Impacts Noted - PID 37.9ppm

Photo Log

Description:

#3A - 31-4-64 SENE Tank Battery - Separator - SEP01@4.5' - No Impacts Noted - PID 12.9ppm

Photo Log

Description:

#4A - 31-4-64 SENE Tank Battery - North Sidewall of Produced Water Vault Excavatio#3A - 31n - PWVN01@5.0' - No Impacts Noted - PID 21.4ppm

Photo Log

Description:

#4B - 31-4-64 SENE Tank Battery - North Sidewall of Produced Water Vault Excavation - PWVN01@5.0' - No Impacts Noted - PID 21.4ppm

Photo Log

Description:

#4C - 31-4-64 SENE Tank Battery - South Sidewall of Produced Water Vault Excavation - PWVS01@5.0' - No Impacts Noted - PID 21.1ppm

Photo Log

Description:

#4D - 31-4-64 SENE Tank Battery - East Sidewall of Produced Water Vault Excavation - PWVE01@5.0' - No Impacts Noted - PID 14.1ppm

Photo Log

Description:

#4E - 31-4-64 SENE Tank Battery - West Sidewall of Produced Water Vault Excavation - PWVW01@5.0' - No Impacts Noted - PID 11.0ppm

Photo Log

Description:

#5A - 31-4-64 SENE Tank Battery - Dumplines - Separator Tie-in - DL01@4.0' - No Impacts Noted - PID 10.1ppm

Photo Log

Description:

#5B - 31-4-64 SENE Tank Battery - Dumplines - Tanks Tie-in - DL02@5.0' - No Impacts Noted - PID 9.8ppm

Photo Log

Description:

#6A - 31-4-64 SENE Tank Battery - Third Party Meter Shed - MET01@6.0" - No Impacts Noted - PID 0.4ppm

Photo Log

Description:

#7A - 31-4-64 SENE Tank Battery - Eastern Combustion Unit - ECD01@6.0" - No Impacts Noted - PID 0.0ppm

Photo Log

Description:

#8A - 31-4-64 SENE Tank Battery - Western Combustion Unit - ECD02@6.0" - No Impacts Noted - PID 0.2ppm

Photo Log

Description:

#9A - 31-4-64 SENE Tank Battery - Local Background Sample - BKG01@6.0" - No Impacts Noted - PID 0.0ppm

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80401

303.277.9310

July 06, 2023

Paul Henehan

Fremont Environmental

PO Box 1289

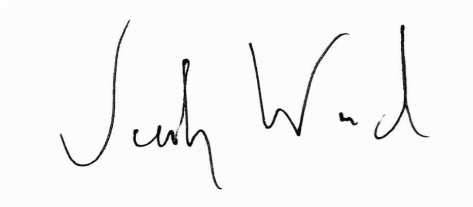
Wellington, CO 80549

RE: Noble - 31-4-64 SENE Tank Battery

Work Order # 2305459

Enclosed are the results of analyses for samples received by Summit Scientific on 05/18/23 16:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Jacob Wood For Paul Shrewsbury

President

Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - 31-4-64 SENE Tank Battery Project Number: [none] Project Manager: Paul Henehan	**Reported:** 07/06/23 11:10

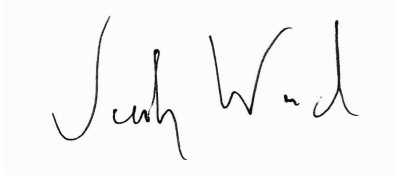
ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
AST01@6.0''	2305459-01	Soil	05/17/23 00:00	05/18/23 16:30
AST02@6.0''	2305459-02	Soil	05/17/23 00:00	05/18/23 16:30
SEP01@4.5'	2305459-03	Soil	05/17/23 00:00	05/18/23 16:30
PWVB01@6.0'	2305459-04	Soil	05/17/23 00:00	05/18/23 16:30
PWVN01@5.0'	2305459-05	Soil	05/17/23 00:00	05/18/23 16:30
BKG01@6.0''	2305459-06	Soil	05/17/23 00:00	05/18/23 16:30

Case Narrative

Jeff G requested Metals be added to SEP01@4.5' on 6/26/2023. This report includes those results.

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: 2305459

Page 1 of 1

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:	jeffg@fremontenv.com Ethanb@fremontenv.com	AFE#:
Phone:	Project Name: 31-4-64 SENE Tank Battery	PO/Billing Codes:
Sampler Name: JG	Project Number:	Contact:

					Preservative				Matrix				Analysis Requested								Special Instructions
ID	Sample Description	Date Sampled	Time Sampled	# of containers	HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other	BTEX+N	TMBs (915)	DRO, ORO, GRO	PAHs (915)	EC, pH, SAR, Boron	Metals (915)			
1	AST01@6.0"	5/17/23		2			X			X			X	X	X	X	X				
2	AST02@6.0"	↓		—			—			—			—	—	—	—	—				
3	SEP01@4.5'			—			—			—			—	—	—	—	—				
4	PWVB01@6.0'			—			—			—			—	—	—	—	—				
5	PWVN01@5.0'			2			—			—			X	X	X	X	—				
6	BKG01@6.0"	↓		1			↓			↓							X	X			
7																					
8																					
9																					
10																					
11																					
12																					
13																					
14																					
15																					

Relinquished by:	Date/Time:	Received by:	Date/Time:
	5/18/23 13:57	Summit North	5/18/23 13:57
SZ	51823 1630		51823 1630
Relinquished by:	Date/Time:	Received by:	Date/Time:

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

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

Notes:

Bill to Noble

Temperature Upon Receipt: 11.3 | Corrected Temperature: 0 | IR gun #: 1 | HNO3 lot #:

S2

Sample Receipt Checklist

S2 Work Order# 2305459

Client: Fremont Client Project ID: 31-4-04 SENE Tank Battery

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

[ ] [–] [ ] [ ] [ ]

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

Temp (°C) [11.3] Thermometer # [1]

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

Additional Comments (if any):

Samples didn't have project name, neither did the Ziplock they came in

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

AS
Custodian Printed Name

5/18/23
Date/Time

Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - 31-4-64 SENE Tank Battery Project Number: [none] Project Manager: Paul Henehan	**Reported:** 07/06/23 11:10

AST01@6.0"

2305459-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020		mg/kg	1	BGE0794	05/23/23	05/24/23	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: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		*101 %*		*50-150*		"	"	"	"	
Surrogate: Toluene-d8		*102 %*		*50-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*		*50-150*		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **05/17/23 00:00**

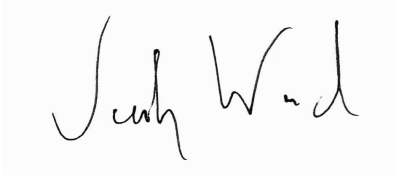
Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50		mg/kg	1	BGE0797	05/23/23	05/23/23	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		*117 %*		*30-150*		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific



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S2

Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - 31-4-64 SENE Tank Battery Project Number: [none] Project Manager: Paul Henehan	**Reported:** 07/06/23 11:10

AST01@6.0"

2305459-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500		mg/kg	1	BGE0785	05/23/23	05/23/23	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: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10		*63.0 %*		*40-150*		"	"	"	"	
Surrogate: Fluoranthene-d10		*71.4 %*		*40-150*		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	**0.211**	0.0100		mg/L	1	BGE0838	05/24/23	05/25/23	EPA 6020B	

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

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Summit Scientific

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Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - 31-4-64 SENE Tank Battery Project Number: [none] Project Manager: Paul Henehan	**Reported:** 07/06/23 11:10

AST01@6.0"

2305459-01 (Soil)

Summit Scientific

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

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	**88.8**	0.0529		mg/L dry	1	BGE0874	05/24/23	05/27/23	EPA 6020B	
Magnesium	**18.9**	0.0529		"	"	"	"	"	"	
Sodium	**3.19**	0.0529		"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	**0.0802**	0.00100		units	1	BGE1005	05/29/23	05/29/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	**94.5**			%	1	BGE0863	05/24/23	05/24/23	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	**0.157**	0.0100		mmhos/cm	1	BGE0902	05/25/23	05/25/23	EPA 120.1	

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

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	**6.91**			pH Units	1	BGE0903	05/25/23	05/25/23	EPA 9045D	

Summit Scientific

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S2

Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - 31-4-64 SENE Tank Battery Project Number: [none] Project Manager: Paul Henehan	**Reported:** 07/06/23 11:10

AST02@6.0"

2305459-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020		mg/kg	1	BGE0794	05/23/23	05/24/23	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: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		*99.9 %*		*50-150*		"	"	"	"	
Surrogate: Toluene-d8		*97.7 %*		*50-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*		*50-150*		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50		mg/kg	1	BGE0797	05/23/23	05/23/23	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		*113 %*		*30-150*		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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S2

Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - 31-4-64 SENE Tank Battery Project Number: [none] Project Manager: Paul Henehan	**Reported:** 07/06/23 11:10

AST02@6.0"

2305459-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500		mg/kg	1	BGE0785	05/23/23	05/23/23	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: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10		*61.5 %*		*40-150*		"	"	"	"	
Surrogate: Fluoranthene-d10		*63.0 %*		*40-150*		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	**0.109**	0.0100		mg/L	1	BGE0838	05/24/23	05/25/23	EPA 6020B	

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

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Summit Scientific

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S2

Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - 31-4-64 SENE Tank Battery Project Number: [none] Project Manager: Paul Henehan	**Reported:** 07/06/23 11:10

AST02@6.0"

2305459-02 (Soil)

Summit Scientific

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

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	**56.2**	0.0566		mg/L dry	1	BGE0874	05/24/23	05/27/23	EPA 6020B	
Magnesium	**12.7**	0.0566		"	"	"	"	"	"	
Sodium	**4.10**	0.0566		"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	**0.129**	0.00100		units	1	BGE1005	05/29/23	05/29/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	**88.4**			%	1	BGE0863	05/24/23	05/24/23	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	**0.0526**	0.0100		mmhos/cm	1	BGE0902	05/25/23	05/25/23	EPA 120.1	

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

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	**5.56**			pH Units	1	BGE0903	05/25/23	05/25/23	EPA 9045D	

Summit Scientific

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S2

Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - 31-4-64 SENE Tank Battery Project Number: [none] Project Manager: Paul Henehan	**Reported:** 07/06/23 11:10

SEP01@4.5'

2305459-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020		mg/kg	1	BGE0794	05/23/23	05/24/23	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: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		*98.0 %*		*50-150*		"	"	"	"	
Surrogate: Toluene-d8		*99.6 %*		*50-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*		*50-150*		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50		mg/kg	1	BGE0797	05/23/23	05/23/23	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		*113 %*		*30-150*		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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S2

Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - 31-4-64 SENE Tank Battery Project Number: [none] Project Manager: Paul Henehan	**Reported:** 07/06/23 11:10

SEP01@4.5'

2305459-03 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	**0.00973**	0.00500		mg/kg	1	BGE0785	05/23/23	05/23/23	EPA 8270D SIM	
Anthracene	**0.0178**	0.00500		"	"	"	"	"	"	
Benzo (a) anthracene	**0.0317**	0.00500		"	"	"	"	"	"	
Benzo (a) pyrene	**0.0196**	0.00500		"	"	"	"	"	"	
Benzo (b) fluoranthene	**0.0249**	0.00500		"	"	"	"	"	"	
Benzo (k) fluoranthene	**0.0100**	0.00500		"	"	"	"	"	"	
Chrysene	**0.0276**	0.00500		"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500		"	"	"	"	"	"	
Fluoranthene	**0.0846**	0.00500		"	"	"	"	"	"	
Fluorene	**0.0119**	0.00500		"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	**0.0135**	0.00500		"	"	"	"	"	"	
Pyrene	**0.0675**	0.00500		"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500		"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500		"	"	"	"	"	"	

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10		*57.8 %*		*40-150*		"	"	"	"	
Surrogate: Fluoranthene-d10		*58.1 %*		*40-150*		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	**0.232**	0.0100		mg/L	1	BGE0838	05/24/23	05/25/23	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Summit Scientific

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S2

Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - 31-4-64 SENE Tank Battery Project Number: [none] Project Manager: Paul Henehan	**Reported:** 07/06/23 11:10

SEP01@4.5'

2305459-03 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	**2.06**	0.232		mg/kg dry	1	BGF1008	06/28/23	07/02/23	EPA 6020B	
Barium	**68.1**	0.463		"	"	"	"	"	"	
Cadmium	ND	0.232		"	"	"	"	"	"	
Copper	ND	0.463		"	"	"	"	"	"	
Lead	**5.22**	0.232		"	"	"	"	"	"	
Nickel	**4.44**	0.463		"	"	"	"	"	"	
Selenium	ND	0.301	0.203	"	"	"	"	"	"	
Silver	**0.0301**	0.0232		"	"	"	"	"	"	
Zinc	**14.6**	0.463		"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30		mg/kg dry	1	BGF1098	06/30/23	06/30/23	EPA 7196A	I-02

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

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	**47.9**	0.0579		mg/L dry	1	BGE0874	05/24/23	05/27/23	EPA 6020B	
Magnesium	**8.31**	0.0579		"	"	"	"	"	"	
Sodium	**3.59**	0.0579		"	"	"	"	"	"	

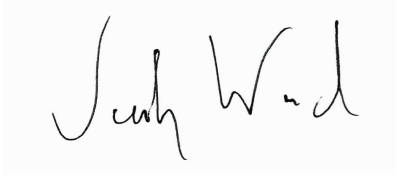
Calculated Analysis

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	**0.126**	0.00100		units	1	BGE1005	05/29/23	05/29/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific



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S2

Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - 31-4-64 SENE Tank Battery Project Number: [none] Project Manager: Paul Henehan	**Reported:** 07/06/23 11:10

SEP01@4.5'

2305459-03 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	**86.4**			%	1	BGE0863	05/24/23	05/24/23	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **05/17/23 00:00**

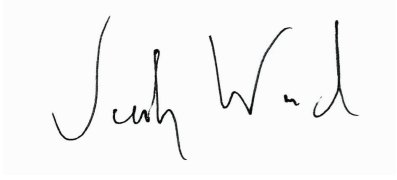
Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	**0.258**	0.0100		mmhos/cm	1	BGE0902	05/25/23	05/25/23	EPA 120.1	

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

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	**7.76**			pH Units	1	BGE0903	05/25/23	05/25/23	EPA 9045D	

Summit Scientific



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S2

Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - 31-4-64 SENE Tank Battery Project Number: [none] Project Manager: Paul Henehan	**Reported:** 07/06/23 11:10

PWVB01@6.0'

2305459-04 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020		mg/kg	1	BGE0794	05/23/23	05/24/23	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: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		*97.0 %*		*50-150*		"	"	"	"	
Surrogate: Toluene-d8		*100 %*		*50-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*		*50-150*		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50		mg/kg	1	BGE0797	05/23/23	05/23/23	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		*112 %*		*30-150*		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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S2

Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - 31-4-64 SENE Tank Battery Project Number: [none] Project Manager: Paul Henehan	**Reported:** 07/06/23 11:10

PWVB01@6.0'

2305459-04 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500		mg/kg	1	BGE0785	05/23/23	05/23/23	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: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10		*60.8 %*		*40-150*		"	"	"	"	
Surrogate: Fluoranthene-d10		*67.6 %*		*40-150*		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	**0.218**	0.0100		mg/L	1	BGE0838	05/24/23	05/25/23	EPA 6020B	

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

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Summit Scientific

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Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - 31-4-64 SENE Tank Battery Project Number: [none] Project Manager: Paul Henehan	**Reported:** 07/06/23 11:10

PWVB01@6.0'

2305459-04 (Soil)

Summit Scientific

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

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	**121**	0.0569		mg/L dry	1	BGE0874	05/24/23	05/27/23	EPA 6020B	
Magnesium	**27.0**	0.0569		"	"	"	"	"	"	
Sodium	**48.7**	0.0569		"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	**1.04**	0.00100		units	1	BGE1005	05/29/23	05/29/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	**87.8**			%	1	BGE0863	05/24/23	05/24/23	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **05/17/23 00:00**

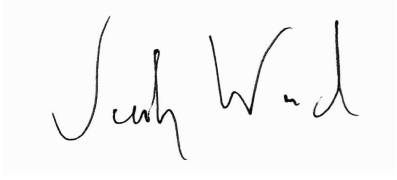
Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	**1.29**	0.0100		mmhos/cm	1	BGE0902	05/25/23	05/25/23	EPA 120.1	

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

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	**7.67**			pH Units	1	BGE0903	05/25/23	05/25/23	EPA 9045D	

Summit Scientific



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S2

Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - 31-4-64 SENE Tank Battery Project Number: [none] Project Manager: Paul Henehan	**Reported:** 07/06/23 11:10

PWVN01@5.0'

2305459-05 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020		mg/kg	1	BGE0794	05/23/23	05/24/23	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: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		*100 %*		*50-150*		"	"	"	"	
Surrogate: Toluene-d8		*100 %*		*50-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*		*50-150*		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50		mg/kg	1	BGE0797	05/23/23	05/23/23	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		*117 %*		*30-150*		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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S2

Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - 31-4-64 SENE Tank Battery Project Number: [none] Project Manager: Paul Henehan	**Reported:** 07/06/23 11:10

PWVN01@5.0'

2305459-05 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500		mg/kg	1	BGE0785	05/23/23	05/23/23	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: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10		*45.0 %*		*40-150*		"	"	"	"	
Surrogate: Fluoranthene-d10		*40.2 %*		*40-150*		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	**0.0983**	0.0100		mg/L	1	BGE0838	05/24/23	05/25/23	EPA 6020B	

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

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Summit Scientific

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S2

Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - 31-4-64 SENE Tank Battery Project Number: [none] Project Manager: Paul Henehan	**Reported:** 07/06/23 11:10

PWVN01@5.0'

2305459-05 (Soil)

Summit Scientific

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

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	**55.0**	0.0600		mg/L dry	1	BGE0874	05/24/23	05/27/23	EPA 6020B	
Magnesium	**16.2**	0.0600		"	"	"	"	"	"	
Sodium	**2.82**	0.0600		"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	**0.0859**	0.00100		units	1	BGE1005	05/29/23	05/29/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	**83.3**			%	1	BGE0863	05/24/23	05/24/23	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **05/17/23 00:00**

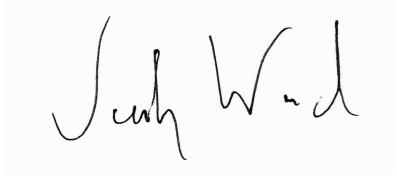
Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	**0.527**	0.0100		mmhos/cm	1	BGE0902	05/25/23	05/25/23	EPA 120.1	

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

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	**7.73**			pH Units	1	BGE0903	05/25/23	05/25/23	EPA 9045D	

Summit Scientific



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S2

Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - 31-4-64 SENE Tank Battery Project Number: [none] Project Manager: Paul Henehan	**Reported:** 07/06/23 11:10

BKG01@6.0"

2305459-06 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	**0.104**	0.0100		mg/L	1	BGE0838	05/24/23	05/25/23	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	**0.430**	0.225		mg/kg dry	1	BGE0784	05/23/23	05/24/23	EPA 6020B	
Barium	**49.2**	0.451		"	"	"	"	"	"	
Cadmium	ND	0.225		"	"	"	"	"	"	
Copper	**1.31**	0.451		"	"	"	"	"	"	
Lead	**4.48**	0.225		"	"	"	"	"	"	
Nickel	**1.50**	0.451		"	"	"	"	"	"	
Selenium	ND	0.293	0.197	"	"	"	"	"	"	
Silver	ND	0.0225		"	"	"	"	"	"	
Zinc	**4.74**	0.451		"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30		mg/kg dry	1	BGE0685	05/19/23	05/19/23	EPA 7196A	

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

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	**69.2**	0.0564		mg/L dry	1	BGE0874	05/24/23	05/27/23	EPA 6020B	
Magnesium	**18.0**	0.0564		"	"	"	"	"	"	
Sodium	**1.74**	0.0564		"	"	"	"	"	"	

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.

S2

Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - 31-4-64 SENE Tank Battery Project Number: [none] Project Manager: Paul Henehan	**Reported:** 07/06/23 11:10

BKG01@6.0"

2305459-06 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	**0.0482**	0.00100		units	1	BGE1005	05/29/23	05/29/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	**88.7**			%	1	BGE0863	05/24/23	05/24/23	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	**0.103**	0.0100		mmhos/cm	1	BGE0902	05/25/23	05/25/23	EPA 120.1	

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

Date Sampled: **05/17/23 00:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	**6.20**			pH Units	1	BGE0903	05/25/23	05/25/23	EPA 9045D	

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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.

S2

Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - 31-4-64 SENE Tank Battery Project Number: [none] Project Manager: Paul Henehan	**Reported:** 07/06/23 11:10

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGE0794 - EPA 5030 Soil MS										
Blank (BGE0794-BLK1)				Prepared & Analyzed: 05/23/23						
Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
1,2,4-Trimethylbenzene	ND	0.0050	"							
1,3,5-Trimethylbenzene	ND	0.0050	"							
Naphthalene	ND	0.0038	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	*0.0435*		*"*	*0.0400*		*109*	*50-150*			
Surrogate: Toluene-d8	*0.0398*		*"*	*0.0400*		*99.5*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0412*		*"*	*0.0400*		*103*	*50-150*			
LCS (BGE0794-BS1)				Prepared: 05/23/23 Analyzed: 05/24/23						
Benzene	0.145	0.0020	mg/kg	0.150		96.8	70-130			
Toluene	0.158	0.0050	"	0.150		106	70-130			
Ethylbenzene	0.152	0.0050	"	0.150		101	70-130			
m,p-Xylene	0.305	0.010	"	0.300		102	70-130			
o-Xylene	0.149	0.0050	"	0.150		99.5	70-130			
1,2,4-Trimethylbenzene	0.142	0.0050	"	0.150		94.4	70-130			
1,3,5-Trimethylbenzene	0.143	0.0050	"	0.150		95.6	70-130			
Naphthalene	0.133	0.0038	"	0.150		88.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0402*		*"*	*0.0400*		*100*	*50-150*			
Surrogate: Toluene-d8	*0.0411*		*"*	*0.0400*		*103*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0404*		*"*	*0.0400*		*101*	*50-150*			
Matrix Spike (BGE0794-MS1)		**Source: 2305459-01**		Prepared: 05/23/23 Analyzed: 05/24/23						
Benzene	0.131	0.0020	mg/kg	0.150	ND	87.5	70-130			
Toluene	0.142	0.0050	"	0.150	ND	94.7	70-130			
Ethylbenzene	0.139	0.0050	"	0.150	ND	92.7	70-130			
m,p-Xylene	0.274	0.010	"	0.300	ND	91.4	70-130			
o-Xylene	0.133	0.0050	"	0.150	ND	89.0	70-130			
1,2,4-Trimethylbenzene	0.127	0.0050	"	0.150	ND	84.7	70-130			
1,3,5-Trimethylbenzene	0.129	0.0050	"	0.150	ND	86.1	70-130			
Naphthalene	0.118	0.0038	"	0.150	ND	78.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0386*		*"*	*0.0400*		*96.4*	*50-150*			
Surrogate: Toluene-d8	*0.0402*		*"*	*0.0400*		*100*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0398*		*"*	*0.0400*		*99.5*	*50-150*			

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Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - 31-4-64 SENE Tank Battery Project Number: [none] Project Manager: Paul Henehan	**Reported:** 07/06/23 11:10

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGE0794 - EPA 5030 Soil MS										
Matrix Spike Dup (BGE0794-MSD1)		**Source: 2305459-01**		Prepared: 05/23/23 Analyzed: 05/24/23						
Benzene	0.136	0.0020	mg/kg	0.150	ND	90.7	70-130	3.62	30	
Toluene	0.149	0.0050	"	0.150	ND	99.2	70-130	4.58	30	
Ethylbenzene	0.143	0.0050	"	0.150	ND	95.6	70-130	3.08	30	
m,p-Xylene	0.287	0.010	"	0.300	ND	95.7	70-130	4.62	30	
o-Xylene	0.138	0.0050	"	0.150	ND	92.0	70-130	3.34	30	
1,2,4-Trimethylbenzene	0.131	0.0050	"	0.150	ND	87.3	70-130	3.00	30	
1,3,5-Trimethylbenzene	0.134	0.0050	"	0.150	ND	89.2	70-130	3.49	30	
Naphthalene	0.119	0.0038	"	0.150	ND	79.3	70-130	0.912	30	
Surrogate: 1,2-Dichloroethane-d4	*0.0384*		*"*	*0.0400*		*96.1*	*50-150*			
Surrogate: Toluene-d8	*0.0399*		*"*	*0.0400*		*99.8*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0398*		*"*	*0.0400*		*99.5*	*50-150*			

Summit Scientific

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S2

Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - 31-4-64 SENE Tank Battery Project Number: [none] Project Manager: Paul Henehan	**Reported:** 07/06/23 11:10

Extractable Petroleum Hydrocarbons by 8015 - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGE0797 - EPA 3550A										
Blank (BGE0797-BLK1)				Prepared & Analyzed: 05/23/23						
C10-C28 (DRO)	ND	50	mg/kg							
C28-C36 (ORO)	ND	50	"							
Surrogate: o-Terphenyl	*15.0*		*"*	*12.5*		*120*	*30-150*			
LCS (BGE0797-BS1)				Prepared & Analyzed: 05/23/23						
C10-C28 (DRO)	459	50	mg/kg	500		91.9	70-130			
Surrogate: o-Terphenyl	*15.3*		*"*	*12.5*		*122*	*30-150*			
Matrix Spike (BGE0797-MS1)	**Source: 2305459-01**			Prepared & Analyzed: 05/23/23						
C10-C28 (DRO)	523	50	mg/kg	500	ND	105	70-130			
Surrogate: o-Terphenyl	*14.9*		*"*	*12.5*		*119*	*30-150*			
Matrix Spike Dup (BGE0797-MSD1)	**Source: 2305459-01**			Prepared & Analyzed: 05/23/23						
C10-C28 (DRO)	514	50	mg/kg	500	ND	103	70-130	1.78	20	
Surrogate: o-Terphenyl	*14.4*		*"*	*12.5*		*115*	*30-150*			

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Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - 31-4-64 SENE Tank Battery Project Number: [none] Project Manager: Paul Henehan	**Reported:** 07/06/23 11:10

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGE0785 - EPA 5030 Soil MS										
Blank (BGE0785-BLK1)				Prepared & Analyzed: 05/23/23						
Acenaphthene	ND	0.00500	mg/kg							
Anthracene	ND	0.00500	"							
Benzo (a) anthracene	ND	0.00500	"							
Benzo (a) pyrene	ND	0.00500	"							
Benzo (b) fluoranthene	ND	0.00500	"							
Benzo (k) fluoranthene	ND	0.00500	"							
Chrysene	ND	0.00500	"							
Dibenz (a,h) anthracene	ND	0.00500	"							
Fluoranthene	ND	0.00500	"							
Fluorene	ND	0.00500	"							
Indeno (1,2,3-cd) pyrene	ND	0.00500	"							
Pyrene	ND	0.00500	"							
1-Methylnaphthalene	ND	0.00500	"							
2-Methylnaphthalene	ND	0.00500	"							
Surrogate: 2-Methylnaphthalene-d10	*0.0365*		*"*	*0.0333*		*109*	*40-150*			
Surrogate: Fluoranthene-d10	*0.0278*		*"*	*0.0333*		*83.3*	*40-150*			
LCS (BGE0785-BS1)				Prepared & Analyzed: 05/23/23						
Acenaphthene	0.0306	0.00500	mg/kg	0.0333		91.9	31-137			
Anthracene	0.0289	0.00500	"	0.0333		86.7	30-120			
Benzo (a) anthracene	0.0271	0.00500	"	0.0333		81.2	30-120			
Benzo (a) pyrene	0.0252	0.00500	"	0.0333		75.6	30-120			
Benzo (b) fluoranthene	0.0227	0.00500	"	0.0333		68.1	30-120			
Benzo (k) fluoranthene	0.0288	0.00500	"	0.0333		86.4	30-120			
Chrysene	0.0317	0.00500	"	0.0333		95.0	30-120			
Dibenz (a,h) anthracene	0.0204	0.00500	"	0.0333		61.1	30-120			
Fluoranthene	0.0296	0.00500	"	0.0333		88.8	30-120			
Fluorene	0.0303	0.00500	"	0.0333		91.0	30-120			
Indeno (1,2,3-cd) pyrene	0.0166	0.00500	"	0.0333		49.8	30-120			
Pyrene	0.0306	0.00500	"	0.0333		91.7	35-142			
1-Methylnaphthalene	0.0264	0.00500	"	0.0333		79.1	35-142			
2-Methylnaphthalene	0.0282	0.00500	"	0.0333		84.6	35-142			
Surrogate: 2-Methylnaphthalene-d10	*0.0295*		*"*	*0.0333*		*88.5*	*40-150*			
Surrogate: Fluoranthene-d10	*0.0301*		*"*	*0.0333*		*90.2*	*40-150*			

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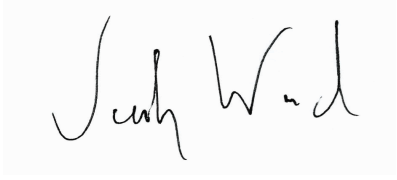

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - 31-4-64 SENE Tank Battery Project Number: [none] Project Manager: Paul Henehan	**Reported:** 07/06/23 11:10

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGE0785 - EPA 5030 Soil MS										
Matrix Spike (BGE0785-MS1)	**Source: 2305459-01**			Prepared & Analyzed: 05/23/23						
Acenaphthene	0.0221	0.00500	mg/kg	0.0333	ND	66.3	31-137			
Anthracene	0.0207	0.00500	"	0.0333	ND	62.1	30-120			
Benzo (a) anthracene	0.0207	0.00500	"	0.0333	ND	62.0	30-120			
Benzo (a) pyrene	0.0185	0.00500	"	0.0333	ND	55.6	30-120			
Benzo (b) fluoranthene	0.0155	0.00500	"	0.0333	ND	46.6	30-120			
Benzo (k) fluoranthene	0.0185	0.00500	"	0.0333	ND	55.5	30-120			
Chrysene	0.0219	0.00500	"	0.0333	ND	65.7	30-120			
Dibenz (a,h) anthracene	0.0144	0.00500	"	0.0333	ND	43.3	30-120			
Fluoranthene	0.0198	0.00500	"	0.0333	ND	59.3	30-120			
Fluorene	0.0221	0.00500	"	0.0333	ND	66.2	30-120			
Indeno (1,2,3-cd) pyrene	0.0139	0.00500	"	0.0333	ND	41.6	30-120			
Pyrene	0.0222	0.00500	"	0.0333	ND	66.6	35-142			
1-Methylnaphthalene	0.0200	0.00500	"	0.0333	ND	60.1	15-130			
2-Methylnaphthalene	0.0213	0.00500	"	0.0333	ND	63.8	15-130			
Surrogate: 2-Methylnaphthalene-d10	*0.0214*		*"*	*0.0333*		*64.2*	*40-150*			
Surrogate: Fluoranthene-d10	*0.0210*		*"*	*0.0333*		*62.9*	*40-150*			
Matrix Spike Dup (BGE0785-MSD1)	**Source: 2305459-01**			Prepared & Analyzed: 05/23/23						
Acenaphthene	0.0168	0.00500	mg/kg	0.0333	ND	50.5	31-137	27.1	30	
Anthracene	0.0163	0.00500	"	0.0333	ND	48.8	30-120	23.9	30	
Benzo (a) anthracene	0.0165	0.00500	"	0.0333	ND	49.6	30-120	22.2	30	
Benzo (a) pyrene	0.0153	0.00500	"	0.0333	ND	46.0	30-120	19.0	30	
Benzo (b) fluoranthene	0.0140	0.00500	"	0.0333	ND	42.0	30-120	10.4	30	
Benzo (k) fluoranthene	0.0167	0.00500	"	0.0333	ND	50.0	30-120	10.5	30	
Chrysene	0.0170	0.00500	"	0.0333	ND	50.9	30-120	25.4	30	
Dibenz (a,h) anthracene	0.0154	0.00500	"	0.0333	ND	46.1	30-120	6.37	30	
Fluoranthene	0.0158	0.00500	"	0.0333	ND	47.4	30-120	22.4	30	
Fluorene	0.0170	0.00500	"	0.0333	ND	50.9	30-120	26.3	30	
Indeno (1,2,3-cd) pyrene	0.0135	0.00500	"	0.0333	ND	40.4	30-120	2.93	30	
Pyrene	0.0167	0.00500	"	0.0333	ND	50.1	35-142	28.4	30	
1-Methylnaphthalene	0.0169	0.00500	"	0.0333	ND	50.8	15-130	16.7	50	
2-Methylnaphthalene	0.0168	0.00500	"	0.0333	ND	50.5	15-130	23.2	50	
Surrogate: 2-Methylnaphthalene-d10	*0.0178*		*"*	*0.0333*		*53.5*	*40-150*			
Surrogate: Fluoranthene-d10	*0.0167*		*"*	*0.0333*		*50.1*	*40-150*			

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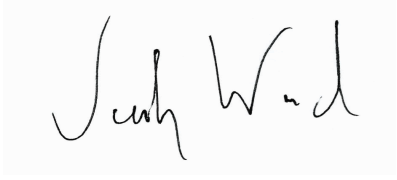
S2

Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - 31-4-64 SENE Tank Battery Project Number: [none] Project Manager: Paul Henehan	**Reported:** 07/06/23 11:10

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

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGE0838 - EPA 3050B										
Blank (BGE0838-BLK1)				Prepared: 05/24/23 Analyzed: 05/25/23						
Boron	ND	0.0100	mg/L							
LCS (BGE0838-BS1)				Prepared: 05/24/23 Analyzed: 05/25/23						
Boron	4.13	0.0100	mg/L	5.00		82.7	80-120			
Duplicate (BGE0838-DUP1)		**Source: 2305459-01**		Prepared: 05/24/23 Analyzed: 05/25/23						
Boron	0.194	0.0100	mg/L		0.211			8.35	20	
Matrix Spike (BGE0838-MS1)		**Source: 2305459-01**		Prepared: 05/24/23 Analyzed: 05/25/23						
Boron	4.16	0.0100	mg/L	5.00	0.211	79.0	75-125			
Matrix Spike Dup (BGE0838-MSD1)		**Source: 2305459-01**		Prepared: 05/24/23 Analyzed: 05/25/23						
Boron	4.48	0.0100	mg/L	5.00	0.211	85.3	75-125	7.27	25	



S2

Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - 31-4-64 SENE Tank Battery Project Number: [none] Project Manager: Paul Henehan	**Reported:** 07/06/23 11:10

Total Metals by EPA 6020B - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGE0784 - EPA 3050B										
Blank (BGE0784-BLK1)				Prepared: 05/23/23 Analyzed: 05/24/23						
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	"							
Selenium	ND	0.260	"							
Silver	ND	0.0200	"							
Zinc	ND	0.400	"							
LCS (BGE0784-BS1)				Prepared: 05/23/23 Analyzed: 05/24/23						
Arsenic	32.2	0.200	mg/kg wet	40.0		80.6	80-120			
Barium	34.4	0.400	"	40.0		86.1	80-120			
Cadmium	1.75	0.200	"	2.00		87.5	80-120			
Copper	32.8	0.400	"	40.0		82.1	80-120			
Lead	16.5	0.200	"	20.0		82.4	80-120			
Nickel	32.3	0.400	"	40.0		80.7	80-120			
Selenium	3.57	0.260	"	4.00		89.2	80-120			
Silver	1.80	0.0200	"	2.00		90.2	80-120			
Zinc	32.0	0.400	"	40.0		80.1	80-120			
Duplicate (BGE0784-DUP1)		**Source: 2305451-01**		Prepared: 05/23/23 Analyzed: 05/24/23						
Arsenic	0.606	0.244	mg/kg dry		0.540			11.6	20	
Barium	110	0.487	"		99.2			10.2	20	
Cadmium	0.125	0.244	"		0.120			3.98	20	
Copper	2.14	0.487	"		2.01			6.30	20	
Lead	7.17	0.244	"		7.02			2.14	20	
Nickel	2.05	0.487	"		1.96			4.30	20	
Selenium	ND	0.317	"		ND				20	
Silver	0.0477	0.0244	"		0.0390			20.2	20	QR-01
Zinc	7.98	0.487	"		7.08			11.9	20	

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S2

Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - 31-4-64 SENE Tank Battery Project Number: [none] Project Manager: Paul Henehan	**Reported:** 07/06/23 11:10

Total Metals by EPA 6020B - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGE0784 - EPA 3050B										
Matrix Spike (BGE0784-MS1)	**Source: 2305451-01**			Prepared: 05/23/23 Analyzed: 05/24/23						
Arsenic	9.57	0.244	mg/kg dry	48.7	0.540	18.5	75-125			QM-07
Barium	157	0.487	"	48.7	99.2	119	75-125			
Cadmium	2.20	0.244	"	2.44	0.120	85.5	75-125			
Copper	12.0	0.487	"	48.7	2.01	20.5	75-125			QM-07
Lead	26.2	0.244	"	24.4	7.02	78.6	75-125			
Nickel	12.1	0.487	"	48.7	1.96	20.7	75-125			QM-07
Selenium	3.89	0.317	"	4.87	ND	80.0	75-125			
Silver	2.24	0.0244	"	2.44	0.0390	90.5	75-125			
Zinc	18.3	0.487	"	48.7	7.08	23.0	75-125			QM-07
Matrix Spike Dup (BGE0784-MSD1)	**Source: 2305451-01**			Prepared: 05/23/23 Analyzed: 05/24/23						
Arsenic	9.80	0.244	mg/kg dry	48.7	0.540	19.0	75-125	2.37	25	QM-07
Barium	143	0.487	"	48.7	99.2	89.9	75-125	9.40	25	
Cadmium	2.02	0.244	"	2.44	0.120	78.1	75-125	8.56	25	
Copper	12.3	0.487	"	48.7	2.01	21.1	75-125	2.30	25	QM-07
Lead	24.3	0.244	"	24.4	7.02	71.1	75-125	7.25	25	QM-07
Nickel	12.5	0.487	"	48.7	1.96	21.6	75-125	3.50	25	QM-07
Selenium	3.82	0.317	"	4.87	ND	78.4	75-125	2.02	25	
Silver	2.03	0.0244	"	2.44	0.0390	81.7	75-125	10.1	25	
Zinc	19.0	0.487	"	48.7	7.08	24.5	75-125	3.80	25	QM-07
Batch BGF1008 - EPA 3050B										
Blank (BGF1008-BLK1)				Prepared: 06/28/23 Analyzed: 07/02/23						
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	"							
Selenium	ND	0.260	"							
Silver	ND	0.0200	"							
Zinc	ND	0.400	"							

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 - 31-4-64 SENE Tank Battery Project Number: [none] Project Manager: Paul Henehan	**Reported:** 07/06/23 11:10

Total Metals by EPA 6020B - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGF1008 - EPA 3050B										
LCS (BGF1008-BS1)				Prepared: 06/28/23 Analyzed: 07/02/23						
Arsenic	38.1	0.200	mg/kg wet	40.0		95.1	80-120			
Barium	40.3	0.400	"	40.0		101	80-120			
Cadmium	1.60	0.200	"	2.00		80.2	80-120			
Copper	42.6	0.400	"	40.0		107	80-120			
Lead	22.4	0.200	"	20.0		112	80-120			
Nickel	38.4	0.400	"	40.0		96.0	80-120			
Selenium	4.01	0.260	"	4.00		100	80-120			
Silver	2.36	0.0200	"	2.00		118	80-120			
Zinc	41.2	0.400	"	40.0		103	80-120			
Duplicate (BGF1008-DUP1)	**Source: 2305459-03**			Prepared: 06/28/23 Analyzed: 07/02/23						
Arsenic	4.58	0.232	mg/kg dry		2.06			75.7	20	QR-04
Barium	73.9	0.463	"		68.1			8.16	20	
Cadmium	0.216	0.232	"		0.166			25.9	20	QR-01
Copper	ND	0.463	"		ND				20	
Lead	8.33	0.232	"		5.22			45.9	20	QR-04
Nickel	5.72	0.463	"		4.44			25.1	20	QR-04
Selenium	ND	0.301	"		ND				20	
Silver	0.0329	0.0232	"		0.0301			8.82	20	
Zinc	22.9	0.463	"		14.6			44.5	20	QR-04
Matrix Spike (BGF1008-MS1)	**Source: 2305459-03**			Prepared: 06/28/23 Analyzed: 07/02/23						
Arsenic	12.2	0.232	mg/kg dry	46.3	2.06	21.8	75-125			QM-07
Barium	113	0.463	"	46.3	68.1	97.6	75-125			
Cadmium	0.822	0.232	"	2.32	0.166	28.3	75-125			QM-07
Copper	2.09	0.463	"	46.3	ND	4.52	75-125			QM-07
Lead	14.3	0.232	"	23.2	5.22	39.2	75-125			QM-07
Nickel	14.0	0.463	"	46.3	4.44	20.5	75-125			QM-07
Selenium	0.732	0.301	"	4.63	ND	15.8	75-125			QM-07
Silver	0.493	0.0232	"	2.32	0.0301	20.0	75-125			QM-07
Zinc	32.5	0.463	"	46.3	14.6	38.7	75-125			QM-07

Summit Scientific

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Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - 31-4-64 SENE Tank Battery Project Number: [none] Project Manager: Paul Henehan	**Reported:** 07/06/23 11:10

Total Metals by EPA 6020B - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGF1008 - EPA 3050B										
Matrix Spike Dup (BGF1008-MSD1)	**Source: 2305459-03**			Prepared: 06/28/23 Analyzed: 07/02/23						
Arsenic	10.4	0.232	mg/kg dry	46.3	2.06	17.9	75-125	16.2	25	QM-07
Barium	87.6	0.463	"	46.3	68.1	42.2	75-125	25.6	25	QM-07
Cadmium	0.638	0.232	"	2.32	0.166	20.4	75-125	25.3	25	QM-07
Copper	0.796	0.463	"	46.3	ND	1.72	75-125	89.7	25	QM-07
Lead	10.3	0.232	"	23.2	5.22	21.8	75-125	32.9	25	QM-07
Nickel	11.6	0.463	"	46.3	4.44	15.4	75-125	18.8	25	QM-07
Selenium	0.893	0.301	"	4.63	ND	19.3	75-125	19.9	25	QM-07
Silver	0.460	0.0232	"	2.32	0.0301	18.6	75-125	6.90	25	QM-07
Zinc	24.1	0.463	"	46.3	14.6	20.5	75-125	29.8	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.

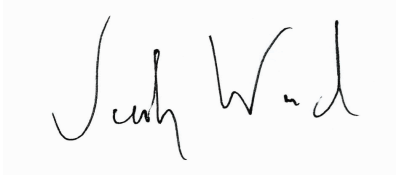
S2

Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - 31-4-64 SENE Tank Battery Project Number: [none] Project Manager: Paul Henehan	**Reported:** 07/06/23 11:10

Hexavalent Chromium by EPA Method 7196 - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGE0685 - 3060A_Mod										
Blank (BGE0685-BLK1)				Prepared & Analyzed: 05/19/23						
Chromium, Hexavalent	ND	0.30	mg/kg wet							
LCS (BGE0685-BS1)				Prepared & Analyzed: 05/19/23						
Chromium, Hexavalent	24.1	0.30	mg/kg wet	25.0		96.4	80-120			
Duplicate (BGE0685-DUP1)		**Source: 2305435-01**		Prepared & Analyzed: 05/19/23						
Chromium, Hexavalent	ND	0.30	mg/kg dry		ND				20	
Matrix Spike (BGE0685-MS1)		**Source: 2305435-01**		Prepared & Analyzed: 05/19/23						
Chromium, Hexavalent	27.0	0.30	mg/kg dry	28.7	ND	94.2	75-125			
Matrix Spike Dup (BGE0685-MSD1)		**Source: 2305435-01**		Prepared & Analyzed: 05/19/23						
Chromium, Hexavalent	27.1	0.30	mg/kg dry	28.7	ND	94.4	75-125	0.212	20	
Batch BGF1098 - 3060A_Mod										
Blank (BGF1098-BLK1)				Prepared & Analyzed: 06/30/23						
Chromium, Hexavalent	ND	0.30	mg/kg wet							
LCS (BGF1098-BS1)				Prepared & Analyzed: 06/30/23						
Chromium, Hexavalent	24.2	0.30	mg/kg wet	25.0		96.8	80-120			
Duplicate (BGF1098-DUP1)		**Source: 2305459-03**		Prepared & Analyzed: 06/30/23						
Chromium, Hexavalent	ND	0.30	mg/kg dry		ND				20	
Matrix Spike (BGF1098-MS1)		**Source: 2305459-03**		Prepared & Analyzed: 06/30/23						
Chromium, Hexavalent	27.6	0.30	mg/kg dry	28.9	ND	95.2	75-125			



S2

Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - 31-4-64 SENE Tank Battery Project Number: [none] Project Manager: Paul Henehan	**Reported:** 07/06/23 11:10

Hexavalent Chromium by EPA Method 7196 - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGF1098 - 3060A_Mod										
Matrix Spike Dup (BGF1098-MSD1)		**Source: 2305459-03**		Prepared & Analyzed: 06/30/23						
Chromium, Hexavalent	27.6	0.30	mg/kg dry	28.9	ND	95.2	75-125	0.00	20	

Summit Scientific

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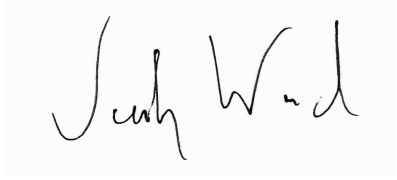
S2

Fremont Environmental	Project: Noble - 31-4-64 SENE Tank Battery	
PO Box 1289	Project Number: [none]	**Reported:**
Wellington CO, 80549	Project Manager: Paul Henehan	07/06/23 11:10

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

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGE0874 - General Preparation										
Blank (BGE0874-BLK1)				Prepared: 05/24/23 Analyzed: 05/27/23						
Calcium	ND	0.0500	mg/L wet							
Magnesium	ND	0.0500	"							
Sodium	ND	0.0500	"							
LCS (BGE0874-BS1)				Prepared: 05/24/23 Analyzed: 05/27/23						
Calcium	4.70	0.0500	mg/L wet	5.00		94.0	70-130			
Magnesium	4.60	0.0500	"	5.00		92.0	70-130			
Sodium	4.58	0.0500	"	5.00		91.5	70-130			



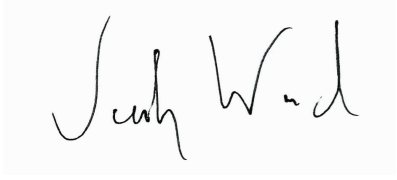
S2

Fremont Environmental	Project: Noble - 31-4-64 SENE Tank Battery	
PO Box 1289	Project Number: [none]	**Reported:**
Wellington CO, 80549	Project Manager: Paul Henehan	07/06/23 11:10

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

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGE0863 - General Preparation										
Duplicate (BGE0863-DUP1)		**Source: 2305455-01**		Prepared & Analyzed: 05/24/23						
% Solids	73.8		%		76.1			3.00	20	



Fremont Environmental PO Box 1289 Wellington CO, 80549	Project: Noble - 31-4-64 SENE Tank Battery Project Number: [none] Project Manager: Paul Henehan	**Reported:** 07/06/23 11:10

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

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGE0902 - General Preparation										
Blank (BGE0902-BLK1)				Prepared & Analyzed: 05/25/23						
Specific Conductance (EC)	ND	0.0100	mmhos/cm							
LCS (BGE0902-BS1)				Prepared & Analyzed: 05/25/23						
Specific Conductance (EC)	0.150	0.0100	mmhos/cm	0.150		100	95-105			
Duplicate (BGE0902-DUP1)		**Source: 2305456-01**		Prepared & Analyzed: 05/25/23						
Specific Conductance (EC)	0.609	0.0100	mmhos/cm		0.615			0.931	20	

Summit Scientific

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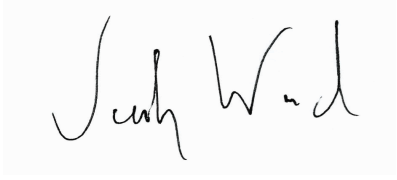
S2

Fremont Environmental	Project: Noble - 31-4-64 SENE Tank Battery	
PO Box 1289	Project Number: [none]	**Reported:**
Wellington CO, 80549	Project Manager: Paul Henehan	07/06/23 11:10

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

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGE0903 - General Preparation										
LCS (BGE0903-BS1)				Prepared & Analyzed: 05/25/23						
pH	8.99		pH Units	9.18		97.9	95-105			
Duplicate (BGE0903-DUP1)		**Source: 2305456-01**		Prepared & Analyzed: 05/25/23						
pH	7.73		pH Units		7.77			0.516	20	



Fremont Environmental	Project:	Noble - 31-4-64 SENE Tank Battery	
PO Box 1289	Project Number:	[none]	**Reported:**
Wellington CO, 80549	Project Manager:	Paul Henehan	07/06/23 11:10

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.
I-02	This sample was analyzed outside of the recommended holding time.
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