

Summit Scientific

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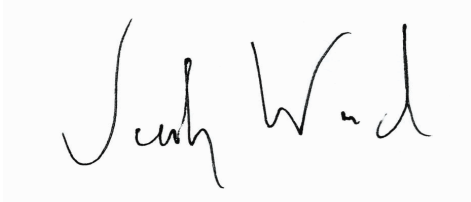
June 25, 2025

Paul Henchan
Fremont Environmental
PO Box 1289
Wellington, CO 80549

RE: Noble - Kissler 01,03X Tank Battery Excavation
Work Order #2503269

Enclosed are the results of analyses for samples received by Summit Scientific on 03/21/25 16:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Jacob Wood". The signature is written in a cursive style with a large initial "J" and "W".

Jacob Wood For Paul Shrewsbury
President

Please Note - Out-of-Hold Results Included:

The SM2540C TDS analyses were analyzed outside of allotted holding times due to delays at Summit Scientific.



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Kissler 01,03X Tank Battery Excavation

Project Number: CO23-074
Project Manager: Paul Henchan

Reported:
06/25/25 11:10

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GWS01	2503269-01	Water	03/21/25 13:50	03/21/25 16:30
E01 Wall - 11Ft	2503269-02	Soil	03/21/25 14:00	03/21/25 16:30
E02 Wall - 11Ft	2503269-03	Soil	03/21/25 14:10	03/21/25 16:30
Floor01 - 12Ft	2503269-04	Soil	03/21/25 14:20	03/21/25 16:30
Floor02 - 12Ft	2503269-05	Soil	03/21/25 14:30	03/21/25 16:30

Case Narrative

The TDS (SM2540C) analysis for sample GWS01 was completed outside of allotted holding times due to delays at Summit Scientific.

This report has been revised to include the proper hold-time qualifiers.
This is a revision of the report originally sent on 04/28/2025 at 14:58 MT.

Summit Scientific

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S₂

S2 Work Order# 2503269

Sample Receipt Checklist

Client: Fremont Client Project ID: Kissler 01,03X Tank Battery Excavation

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

Matrix (Circle all that apply) Air/Soil/Water/Other Temp (°C) 3.9 Thermometer # 1

Bottle ware (Circle all that apply) Glass Jar/Voa/Amber/Poly/Other

Table with 5 columns: Question, Yes, No, N/A, Comments (if any). Rows include: 'If samples require cooling, is the temperature < 6°C?', 'If custody seals are present, are they intact?', 'Are samples due within 48 hours present?', 'Are water samples with short hold times present?', 'Is a chain-of-custody (COC) form present and filled out Completely?', 'Is the COC properly relinquished by the client w/ date and time recorded?', 'Were all samples received intact?', 'Was adequate sample volume provided?', 'Were samples provided in appropriate bottleware?', 'Does the COC agree with the number and type of sample bottles received?', 'Do the sample IDs on the bottle labels match the COC?', 'For volatiles in water - is there headspace present? If yes, contact client and note in narrative.', 'Are any samples/bottles preserved (excluding cooling)?', 'If samples are acid preserved for metals, is the pH <= 2?', 'If dissolved metals are requested, were samples field filtered?', 'Will any samples be performed outside of Summit Scientific?'. Includes an 'Additional Comments' section and a footnote: '(1) If NO, then contact the client before proceeding with analysis and note in case narrative.'

Control Form # SRC-001

SN Custodian Printed Name

3/21/25 Date/Time



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Kissler 01,03X Tank Battery Excavation

Project Number: CO23-074
Project Manager: Paul Henchan

Reported:
06/25/25 11:10

GWS01
2503269-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/21/25 13:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	20	1.0	ug/l	1	BIC1318	03/21/25	03/21/25	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	7.0	1.0	"	"	"	"	"	"	
Xylenes (total)	2.9	2.0	"	"	"	"	"	"	
Naphthalene	100	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	500	10	"	10	"	"	03/23/25	"	
1,3,5-Trimethylbenzene	16	1.0	"	1	"	"	03/21/25	"	

Date Sampled: **03/21/25 13:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	12.5	93.7 %	23-173		"	"	"	"	
Surrogate: Toluene-d8	12.8	95.6 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	14.2	106 %	21-167		"	"	"	"	

Anions by EPA Method 300.0

Date Sampled: **03/21/25 13:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chloride	252	0.0600	mg/L	50	BIC1484	03/24/25	04/04/25	EPA 300.0	
Sulfate	166	0.300	"	"	"	"	"	"	

Total Dissolved Solids by SM2540C

Date Sampled: **03/21/25 13:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Total Dissolved Solids	1320	10.0	mg/L	1	BIC1522	03/25/25	03/28/25	SM2540C	I-02

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Project: Noble - Kissler 01,03X Tank Battery Excavation

Project Number: CO23-074
Project Manager: Paul Henchan

Reported:
06/25/25 11:10

**E01 Wall - 11Ft
2503269-02 (Soil)**

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/21/25 14:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BIC1311	03/21/25	03/23/25	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	5.2	0.50		"	"	"	"	"	"	

Date Sampled: **03/21/25 14:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0416	104 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0543	136 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0256	64.0 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/21/25 14:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	100	50		mg/kg	1	BIC1314	03/21/25	03/23/25	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **03/21/25 14:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	7.33	58.6 %		50-140		"	"	"	"	

PAH by EPA Method 8270E SIM

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Project Number: CO23-074
Project Manager: Paul Henchan

Reported:
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**E01 Wall - 11Ft
2503269-02 (Soil)**

Summit Scientific

PAH by EPA Method 8270E SIM

Date Sampled: **03/21/25 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BIC1531	03/25/25	04/19/25	EPA 8270E 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	0.0315	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: **03/21/25 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0169	50.6 %	40-140		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0200	59.9 %	40-140		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **03/21/25 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L dry	1	BIC1374	03/24/25	03/24/25	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **03/21/25 14:00**

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

Project: Noble - Kissler 01,03X Tank Battery Excavation

Project Number: CO23-074
Project Manager: Paul Henchan

Reported:
06/25/25 11:10

**E01 Wall - 11Ft
2503269-02 (Soil)**

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Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Arsenic	1.65	0.200	mg/kg dry	1	BIC1347	03/23/25	03/27/25	EPA 6020B
Barium	71.5	0.400	"	"	"	"	"	"
Cadmium	0.234	0.200	"	"	"	"	"	"
Copper	5.48	0.400	"	"	"	"	"	"
Lead	7.19	0.200	"	"	"	"	"	"
Nickel	5.47	0.400	"	"	"	"	"	"
Silver	0.0425	0.0200	"	"	"	"	"	"
Zinc	21.1	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **03/21/25 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BIC1402	03/24/25	03/24/25	EPA 7196A	

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

Date Sampled: **03/21/25 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	12.9	0.0500	mg/L dry	1	BIC1287	03/21/25	03/24/25	EPA 6020B	
Magnesium	2.77	0.0500	"	"	"	"	"	"	
Sodium	11.6	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **03/21/25 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.764	0.00100	units	1	BIC1539	03/25/25	03/25/25	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/21/25 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Reported:
 06/25/25 11:10

**E01 Wall - 11Ft
 2503269-02 (Soil)**

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Physical Parameters by APHA/ASTM/EPA Methods

% Solids	83.5	%	1	BIC1379	03/24/25	03/24/25	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/21/25 14:00**


Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.247	0.0100	mmhos/cm	1	BIC1319	03/21/25	03/24/25	EPA 120.1	

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

Date Sampled: **03/21/25 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	9.58		pH Units	1	BIC1317	03/21/25	03/24/25	EPA 9045D	

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Project: Noble - Kissler 01,03X Tank Battery Excavation

Project Number: CO23-074
Project Manager: Paul Henchan

Reported:
06/25/25 11:10

**E02 Wall - 11Ft
2503269-03 (Soil)**

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/21/25 14:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BIC1311	03/21/25	03/24/25	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	3.6	0.50	"	"	"	"	"	"	

Date Sampled: **03/21/25 14:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0341	85.4 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0411	103 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0406	102 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/21/25 14:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	52	50	mg/kg	1	BIC1314	03/21/25	03/23/25	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **03/21/25 14:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	9.57	76.6 %	50-140		"	"	"	"	

PAH by EPA Method 8270E SIM

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Project Number: CO23-074
Project Manager: Paul Henchan

Reported:
06/25/25 11:10

**E02 Wall - 11Ft
2503269-03 (Soil)**

Summit Scientific

PAH by EPA Method 8270E SIM

Date Sampled: **03/21/25 14:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BIC1531	03/25/25	04/25/25	EPA 8270E 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: **03/21/25 14:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0373	112 %	40-140		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0391	117 %	40-140		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **03/21/25 14:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L dry	1	BIC1374	03/24/25	03/24/25	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **03/21/25 14:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Project Number: CO23-074
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06/25/25 11:10

**E02 Wall - 11Ft
2503269-03 (Soil)**

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Arsenic	1.79	0.200	mg/kg dry	1	BIC1347	03/23/25	03/27/25	EPA 6020B
Barium	67.4	0.400	"	"	"	"	"	"
Cadmium	ND	0.200	"	"	"	"	"	"
Copper	4.90	0.400	"	"	"	"	"	"
Lead	5.03	0.200	"	"	"	"	"	"
Nickel	4.33	0.400	"	"	"	"	"	"
Silver	0.0312	0.0200	"	"	"	"	"	"
Zinc	16.2	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **03/21/25 14:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BIC1402	03/24/25	03/24/25	EPA 7196A	

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

Date Sampled: **03/21/25 14:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	38.4	0.0500	mg/L dry	1	BIC1287	03/21/25	03/24/25	EPA 6020B	
Magnesium	5.94	0.0500	"	"	"	"	"	"	
Sodium	36.5	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **03/21/25 14:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	1.45	0.00100	units	1	BIC1539	03/25/25	03/25/25	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

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**E02 Wall - 11Ft
 2503269-03 (Soil)**

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Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/21/25 14:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	80.7		%	1	BIC1379	03/24/25	03/24/25	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/21/25 14:10**

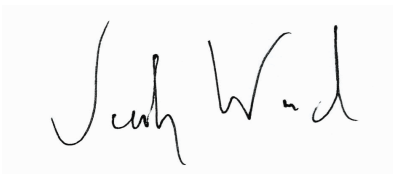
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.299	0.0100	mmhos/cm	1	BIC1319	03/21/25	03/24/25	EPA 120.1	

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

Date Sampled: **03/21/25 14:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.86		pH Units	1	BIC1317	03/21/25	03/24/25	EPA 9045D	

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Project Number: CO23-074
Project Manager: Paul Henchan

Reported:
06/25/25 11:10

Floor01 - 12Ft
2503269-04 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/21/25 14:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BIC1311	03/21/25	03/24/25	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.011	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	5.9	0.50	"	100	"	"	03/24/25	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	1	"	"	03/24/25	"	
Naphthalene	0.29	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	270	5.0	"	10	"	"	03/24/25	"	

Date Sampled: **03/21/25 14:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0381	95.2 %	50-150	"	"	"	"	"	
Surrogate: Toluene-d8	0.0887	222 %	50-150	"	"	"	"	"	S-02
Surrogate: 4-Bromofluorobenzene	0.0937	234 %	50-150	"	"	"	"	"	S-02

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/21/25 14:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	300	50	mg/kg	1	BIC1314	03/21/25	03/23/25	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **03/21/25 14:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	8.01	64.1 %	50-140	"	"	"	"	"	

PAH by EPA Method 8270E SIM

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Kissler 01,03X Tank Battery Excavation

Project Number: CO23-074
Project Manager: Paul Henchan

Reported:
06/25/25 11:10

Floor01 - 12Ft
2503269-04 (Soil)

Summit Scientific

PAH by EPA Method 8270E SIM

Date Sampled: **03/21/25 14:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	0.0173	0.00500	mg/kg	1	BIC1531	03/25/25	04/19/25	EPA 8270E 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	0.00829	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	0.00564	0.00500	"	"	"	"	"	"	
Fluorene	0.0175	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	0.335	0.00500	"	"	"	"	"	"	E
2-Methylnaphthalene	0.924	0.00500	"	"	"	"	"	"	E

Date Sampled: **03/21/25 14:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0327	98.2 %	40-140		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0238	71.3 %	40-140		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **03/21/25 14:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L dry	1	BIC1374	03/24/25	03/24/25	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **03/21/25 14:20**

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 - Kissler 01,03X Tank Battery Excavation

Project Number: CO23-074
Project Manager: Paul Henchan

Reported:
06/25/25 11:10

Floor01 - 12Ft
2503269-04 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Arsenic	1.74	0.200	mg/kg dry	1	BIC1347	03/23/25	03/27/25	EPA 6020B
Barium	69.7	0.400	"	"	"	"	"	"
Cadmium	ND	0.200	"	"	"	"	"	"
Copper	5.00	0.400	"	"	"	"	"	"
Lead	6.19	0.200	"	"	"	"	"	"
Nickel	4.23	0.400	"	"	"	"	"	"
Silver	0.0264	0.0200	"	"	"	"	"	"
Zinc	14.5	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **03/21/25 14:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BIC1402	03/24/25	03/24/25	EPA 7196A	

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

Date Sampled: **03/21/25 14:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	47.6	0.0500	mg/L dry	1	BIC1287	03/21/25	03/24/25	EPA 6020B	
Magnesium	5.66	0.0500	"	"	"	"	"	"	
Sodium	44.7	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **03/21/25 14:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	1.63	0.00100	units	1	BIC1539	03/25/25	03/25/25	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

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 Wellington CO, 80549

Project: Noble - Kissler 01,03X Tank Battery Excavation

Project Number: CO23-074
 Project Manager: Paul Henchan

Reported:
 06/25/25 11:10

Floor01 - 12Ft
2503269-04 (Soil)

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Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/21/25 14:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	81.4		%	1	BIC1379	03/24/25	03/24/25	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/21/25 14:20**

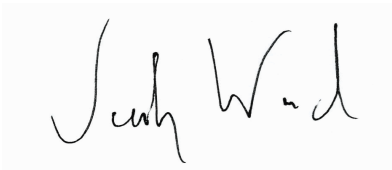
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.283	0.0100	mmhos/cm	1	BIC1319	03/21/25	03/24/25	EPA 120.1	

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

Date Sampled: **03/21/25 14:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.65		pH Units	1	BIC1317	03/21/25	03/24/25	EPA 9045D	

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Kissler 01,03X Tank Battery Excavation

Project Number: CO23-074
Project Manager: Paul Henchan

Reported:
06/25/25 11:10

Floor02 - 12Ft
2503269-05 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/21/25 14:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BIC1311	03/21/25	03/24/25	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	0.0071	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	26	0.50	"	"	"	"	"	"	

Date Sampled: **03/21/25 14:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0366	91.5 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0408	102 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0446	111 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/21/25 14:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	120	50	mg/kg	1	BIC1314	03/21/25	03/23/25	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **03/21/25 14:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	6.88	55.0 %	50-140		"	"	"	"	

PAH by EPA Method 8270E SIM

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Kissler 01,03X Tank Battery Excavation

Project Number: CO23-074
Project Manager: Paul Henchan

Reported:
06/25/25 11:10

Floor02 - 12Ft
2503269-05 (Soil)

Summit Scientific

PAH by EPA Method 8270E SIM

Date Sampled: **03/21/25 14:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	0.00990	0.00500	mg/kg	1	BIC1531	03/25/25	04/19/25	EPA 8270E 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	0.135	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: **03/21/25 14:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0180	53.9 %	40-140		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0254	76.2 %	40-140		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **03/21/25 14:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L dry	1	BIC1374	03/24/25	03/24/25	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **03/21/25 14:30**

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 - Kissler 01,03X Tank Battery Excavation

Project Number: CO23-074
Project Manager: Paul Henchan

Reported:
06/25/25 11:10

Floor02 - 12Ft
2503269-05 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Arsenic	2.32	0.200	mg/kg dry	1	BIC1347	03/23/25	03/27/25	EPA 6020B
Barium	38.8	0.400	"	"	"	"	"	"
Cadmium	ND	0.200	"	"	"	"	"	"
Copper	2.57	0.400	"	"	"	"	"	"
Lead	3.55	0.200	"	"	"	"	"	"
Nickel	3.27	0.400	"	"	"	"	"	"
Silver	ND	0.0200	"	"	"	"	"	"
Zinc	10.3	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **03/21/25 14:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BIC1402	03/24/25	03/24/25	EPA 7196A	

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

Date Sampled: **03/21/25 14:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	68.6	0.0500	mg/L dry	1	BIC1287	03/21/25	03/24/25	EPA 6020B	
Magnesium	16.4	0.0500	"	"	"	"	"	"	
Sodium	64.6	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **03/21/25 14:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	1.82	0.00100	units	1	BIC1539	03/25/25	03/25/25	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

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 PO Box 1289
 Wellington CO, 80549

Project: Noble - Kissler 01,03X Tank Battery Excavation

Project Number: CO23-074
 Project Manager: Paul Henchan

Reported:
 06/25/25 11:10

Floor02 - 12Ft
2503269-05 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/21/25 14:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	84.4		%	1	BIC1379	03/24/25	03/24/25	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/21/25 14:30**

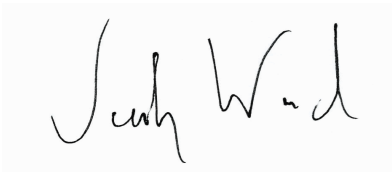
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.537	0.0100	mmhos/cm	1	BIC1319	03/21/25	03/24/25	EPA 120.1	

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

Date Sampled: **03/21/25 14:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	9.00		pH Units	1	BIC1317	03/21/25	03/24/25	EPA 9045D	

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Wellington CO, 80549

Project: Noble - Kissler 01,03X Tank Battery Excavation

Project Number: CO23-074
Project Manager: Paul Henchan

Reported:
06/25/25 11:10

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 BIC1311 - EPA 5030 Soil MS

Blank (BIC1311-BLK1)

Prepared & Analyzed: 03/21/25

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>	0.0371		"	0.0400		92.8	50-150			
<i>Surrogate: Toluene-d8</i>	0.0409		"	0.0400		102	50-150			
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0402		"	0.0400		100	50-150			

LCS (BIC1311-BS1)

Prepared & Analyzed: 03/21/25

Benzene	0.103	0.0020	mg/kg	0.100		103	70-130			
Toluene	0.106	0.0050	"	0.100		106	70-130			
Ethylbenzene	0.109	0.0050	"	0.100		109	70-130			
m,p-Xylene	0.220	0.010	"	0.200		110	70-130			
o-Xylene	0.107	0.0050	"	0.100		107	70-130			
1,2,4-Trimethylbenzene	0.112	0.0050	"	0.100		112	70-130			
1,3,5-Trimethylbenzene	0.114	0.0050	"	0.100		114	70-130			
Naphthalene	0.101	0.0038	"	0.100		101	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.0375		"	0.0400		93.7	50-150			
<i>Surrogate: Toluene-d8</i>	0.0401		"	0.0400		100	50-150			
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0393		"	0.0400		98.3	50-150			

Matrix Spike (BIC1311-MS1)

Source: 2503266-01

Prepared & Analyzed: 03/21/25

Benzene	0.103	0.0020	mg/kg	0.100	ND	103	70-130			
Toluene	0.107	0.0050	"	0.100	ND	107	70-130			
Ethylbenzene	0.110	0.0050	"	0.100	ND	110	70-130			
m,p-Xylene	0.220	0.010	"	0.200	ND	110	70-130			
o-Xylene	0.107	0.0050	"	0.100	ND	107	70-130			
1,2,4-Trimethylbenzene	0.107	0.0050	"	0.100	ND	107	70-130			
1,3,5-Trimethylbenzene	0.111	0.0050	"	0.100	ND	111	70-130			
Naphthalene	0.0952	0.0038	"	0.100	ND	95.2	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.0389		"	0.0400		97.4	50-150			
<i>Surrogate: Toluene-d8</i>	0.0399		"	0.0400		99.8	50-150			
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0390		"	0.0400		97.6	50-150			

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Kissler 01,03X Tank Battery Excavation

Project Number: CO23-074
Project Manager: Paul Henchan

Reported:
06/25/25 11:10

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 BIC1311 - EPA 5030 Soil MS

Matrix Spike Dup (BIC1311-MSD1)

Source: 2503266-01

Prepared & Analyzed: 03/21/25

Benzene	0.0939	0.0020	mg/kg	0.100	ND	93.9	70-130	8.95	30	
Toluene	0.0954	0.0050	"	0.100	ND	95.4	70-130	11.2	30	
Ethylbenzene	0.102	0.0050	"	0.100	ND	102	70-130	7.64	30	
m,p-Xylene	0.205	0.010	"	0.200	ND	103	70-130	6.93	30	
o-Xylene	0.0982	0.0050	"	0.100	ND	98.2	70-130	8.23	30	
1,2,4-Trimethylbenzene	0.101	0.0050	"	0.100	ND	101	70-130	6.01	30	
1,3,5-Trimethylbenzene	0.102	0.0050	"	0.100	ND	102	70-130	8.29	30	
Naphthalene	0.0943	0.0038	"	0.100	ND	94.3	70-130	0.950	30	
Surrogate: 1,2-Dichloroethane-d4	0.0365		"	0.0400		91.3	50-150			
Surrogate: Toluene-d8	0.0395		"	0.0400		98.7	50-150			
Surrogate: 4-Bromofluorobenzene	0.0384		"	0.0400		96.1	50-150			

Batch BIC1318 - EPA 5030 Water MS

Blank (BIC1318-BLK1)

Prepared & Analyzed: 03/21/25

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	2.0	"							
Naphthalene	ND	1.0	"							
1,2,4-Trimethylbenzene	ND	1.0	"							
1,3,5-Trimethylbenzene	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	12.7		"	13.3		95.3	23-173			
Surrogate: Toluene-d8	13.3		"	13.3		99.7	20-170			
Surrogate: 4-Bromofluorobenzene	13.3		"	13.3		100	21-167			

LCS (BIC1318-BS1)

Prepared & Analyzed: 03/21/25

Benzene	31.5	1.0	ug/l	33.3		94.5	51-132			
Toluene	30.6	1.0	"	33.3		91.7	51-138			
Ethylbenzene	29.6	1.0	"	33.3		88.8	58-146			
m,p-Xylene	59.6	2.0	"	66.7		89.3	57-144			
o-Xylene	30.5	1.0	"	33.3		91.6	53-146			
Naphthalene	30.5	1.0	"	33.3		91.4	70-130			
1,2,4-Trimethylbenzene	30.7	1.0	"	33.3		92.1	70-130			
1,3,5-Trimethylbenzene	30.6	1.0	"	33.3		91.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	12.6		"	13.3		94.3	23-173			
Surrogate: Toluene-d8	13.5		"	13.3		101	20-170			
Surrogate: 4-Bromofluorobenzene	13.2		"	13.3		99.4	21-167			

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Kissler 01,03X Tank Battery Excavation

Project Number: CO23-074
 Project Manager: Paul Henchan

Reported:
 06/25/25 11:10

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BIC1318 - EPA 5030 Water MS

LCS Dup (BIC1318-BSD1)

Prepared & Analyzed: 03/21/25

Benzene	31.5	1.0	ug/l	33.3	94.6	51-132	0.0952	20	
Toluene	30.6	1.0	"	33.3	91.9	51-138	0.131	20	
Ethylbenzene	29.8	1.0	"	33.3	89.5	58-146	0.740	20	
m,p-Xylene	59.9	2.0	"	66.7	89.8	57-144	0.569	20	
o-Xylene	30.9	1.0	"	33.3	92.8	53-146	1.33	20	
Naphthalene	31.0	1.0	"	33.3	93.2	70-130	1.92	20	
1,2,4-Trimethylbenzene	30.4	1.0	"	33.3	91.1	70-130	1.15	20	
1,3,5-Trimethylbenzene	30.2	1.0	"	33.3	90.8	70-130	1.05	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>12.4</i>		<i>"</i>	<i>13.3</i>	<i>93.4</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>13.4</i>		<i>"</i>	<i>13.3</i>	<i>101</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>13.0</i>		<i>"</i>	<i>13.3</i>	<i>97.6</i>	<i>21-167</i>			

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Kissler 01,03X Tank Battery Excavation

Project Number: CO23-074
 Project Manager: Paul Henchan

Reported:
 06/25/25 11:10

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 BIC1314 - EPA 3550A

Blank (BIC1314-BLK1)

Prepared: 03/21/25 Analyzed: 03/22/25

C10-C28 (DRO)	ND	50	mg/kg							
C28-C36 (ORO)	ND	50	"							
Surrogate: <i>o</i> -Terphenyl	9.07		"	12.5		72.6	50-140			

LCS (BIC1314-BS1)

Prepared: 03/21/25 Analyzed: 03/22/25

C10-C28 (DRO)	453	50	mg/kg	500		90.5	50-140			
Surrogate: <i>o</i> -Terphenyl	9.96		"	12.5		79.7	50-140			

Matrix Spike (BIC1314-MS1)

Source: 2503266-01

Prepared: 03/21/25 Analyzed: 03/22/25

C10-C28 (DRO)	448	50	mg/kg	500	16.8	86.3	50-140			
Surrogate: <i>o</i> -Terphenyl	9.86		"	12.5		78.9	50-140			

Matrix Spike Dup (BIC1314-MSD1)

Source: 2503266-01

Prepared: 03/21/25 Analyzed: 03/22/25

C10-C28 (DRO)	472	50	mg/kg	500	16.8	91.1	50-140	5.23	20	
Surrogate: <i>o</i> -Terphenyl	8.71		"	12.5		69.7	50-140			

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Kissler 01,03X Tank Battery Excavation

Project Number: CO23-074
Project Manager: Paul Henchan

Reported:
06/25/25 11:10

PAH by EPA Method 8270E SIM - Quality Control

Summit Scientific

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

Batch BIC1531 - EPA 5030 Soil MS

Blank (BIC1531-BLK1)

Prepared: 03/25/25 Analyzed: 04/19/25

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>0.0209</i>		"	<i>0.0333</i>		<i>62.6</i>	<i>40-140</i>			
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0251</i>		"	<i>0.0333</i>		<i>75.4</i>	<i>40-140</i>			

LCS (BIC1531-BS1)

Prepared: 03/25/25 Analyzed: 04/19/25

Acenaphthene	0.0199	0.00500	mg/kg	0.0333		59.6	40-140			
Anthracene	0.0215	0.00500	"	0.0333		64.4	40-140			
Benzo (a) anthracene	0.0212	0.00500	"	0.0333		63.6	40-140			
Benzo (a) pyrene	0.0198	0.00500	"	0.0333		59.5	40-140			
Benzo (b) fluoranthene	0.0190	0.00500	"	0.0333		57.0	40-140			
Benzo (k) fluoranthene	0.0183	0.00500	"	0.0333		55.0	40-140			
Chrysene	0.0205	0.00500	"	0.0333		61.5	40-140			
Dibenz (a,h) anthracene	0.0210	0.00500	"	0.0333		62.9	40-140			
Fluoranthene	0.0202	0.00500	"	0.0333		60.6	40-140			
Fluorene	0.0193	0.00500	"	0.0333		58.0	40-140			
Indeno (1,2,3-cd) pyrene	0.0226	0.00500	"	0.0333		67.7	40-140			
Pyrene	0.0202	0.00500	"	0.0333		60.5	40-140			
1-Methylnaphthalene	0.0174	0.00500	"	0.0333		52.3	40-140			
2-Methylnaphthalene	0.0168	0.00500	"	0.0333		50.4	40-140			
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0168</i>		"	<i>0.0333</i>		<i>50.4</i>	<i>40-140</i>			
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0214</i>		"	<i>0.0333</i>		<i>64.1</i>	<i>40-140</i>			

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Kissler 01,03X Tank Battery Excavation

Project Number: CO23-074
Project Manager: Paul Henchan

Reported:
06/25/25 11:10

PAH by EPA Method 8270E SIM - Quality Control

Summit Scientific

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

Batch BIC1531 - EPA 5030 Soil MS

Matrix Spike (BIC1531-MS1)	Source: 2503249-01			Prepared: 03/25/25 Analyzed: 04/25/25							
Acenaphthene	0.0126	0.00500	mg/kg	0.0333	ND	37.7	40-140				QM-03
Anthracene	0.0127	0.00500	"	0.0333	ND	38.2	40-140				QM-03
Benzo (a) anthracene	0.0133	0.00500	"	0.0333	ND	39.8	40-140				QM-03
Benzo (a) pyrene	0.0120	0.00500	"	0.0333	ND	36.0	40-140				QM-03
Benzo (b) fluoranthene	0.0139	0.00500	"	0.0333	ND	41.6	40-140				
Benzo (k) fluoranthene	0.0134	0.00500	"	0.0333	ND	40.1	40-140				
Chrysene	0.0123	0.00500	"	0.0333	ND	36.9	40-140				QM-03
Dibenz (a,h) anthracene	0.00741	0.00500	"	0.0333	ND	22.2	40-140				QM-03
Fluoranthene	0.0126	0.00500	"	0.0333	ND	37.9	40-140				QM-03
Fluorene	0.0128	0.00500	"	0.0333	ND	38.5	40-140				QM-03
Indeno (1,2,3-cd) pyrene	0.00729	0.00500	"	0.0333	ND	21.9	40-140				QM-03
Pyrene	0.0130	0.00500	"	0.0333	ND	38.9	40-140				QM-03
1-Methylnaphthalene	0.0135	0.00500	"	0.0333	ND	40.4	40-140				
2-Methylnaphthalene	0.0127	0.00500	"	0.0333	ND	38.2	40-140				QM-03
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0132</i>		<i>"</i>	<i>0.0333</i>		<i>39.5</i>	<i>40-140</i>				<i>QM-03</i>
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0130</i>		<i>"</i>	<i>0.0333</i>		<i>38.9</i>	<i>40-140</i>				<i>QM-03</i>

Matrix Spike Dup (BIC1531-MSD1)	Source: 2503249-01			Prepared: 03/25/25 Analyzed: 04/25/25							
Acenaphthene	0.0153	0.00500	mg/kg	0.0333	ND	46.0	40-140	19.7	30		
Anthracene	0.0155	0.00500	"	0.0333	ND	46.5	40-140	19.5	30		
Benzo (a) anthracene	0.0163	0.00500	"	0.0333	ND	49.0	40-140	20.7	30		
Benzo (a) pyrene	0.0154	0.00500	"	0.0333	ND	46.1	40-140	24.5	30		
Benzo (b) fluoranthene	0.0174	0.00500	"	0.0333	ND	52.3	40-140	22.8	30		
Benzo (k) fluoranthene	0.0171	0.00500	"	0.0333	ND	51.4	40-140	24.8	30		
Chrysene	0.0153	0.00500	"	0.0333	ND	46.0	40-140	21.9	30		
Dibenz (a,h) anthracene	0.00979	0.00500	"	0.0333	ND	29.4	40-140	27.7	30		QM-03
Fluoranthene	0.0155	0.00500	"	0.0333	ND	46.5	40-140	20.3	30		
Fluorene	0.0157	0.00500	"	0.0333	ND	47.2	40-140	20.2	30		
Indeno (1,2,3-cd) pyrene	0.00929	0.00500	"	0.0333	ND	27.9	40-140	24.1	30		QM-03
Pyrene	0.0166	0.00500	"	0.0333	ND	49.7	40-140	24.4	30		
1-Methylnaphthalene	0.0192	0.00500	"	0.0333	ND	57.6	40-140	35.0	30		QR-03
2-Methylnaphthalene	0.0177	0.00500	"	0.0333	ND	53.2	40-140	32.8	30		QR-03
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0182</i>		<i>"</i>	<i>0.0333</i>		<i>54.5</i>	<i>40-140</i>				
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0156</i>		<i>"</i>	<i>0.0333</i>		<i>46.7</i>	<i>40-140</i>				

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Kissler 01,03X Tank Battery Excavation

Project Number: CO23-074
 Project Manager: Paul Henchan

Reported:
 06/25/25 11:10

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 BIC1374 - EPA 3050B

Blank (BIC1374-BLK1)

Prepared & Analyzed: 03/24/25

Boron ND 2.00 mg/L wet

LCS (BIC1374-BS1)

Prepared & Analyzed: 03/24/25

Boron 5.16 2.00 mg/L wet 5.00 103 80-120

Duplicate (BIC1374-DUP1)

Source: 2503259-01

Prepared & Analyzed: 03/24/25

Boron 1.17 2.00 mg/L dry 1.20 2.76 20

Matrix Spike (BIC1374-MS1)

Source: 2503259-01

Prepared & Analyzed: 03/24/25

Boron 7.63 2.00 mg/L dry 6.09 1.20 106 75-125

Matrix Spike Dup (BIC1374-MSD1)

Source: 2503259-01

Prepared & Analyzed: 03/24/25

Boron 7.75 2.00 mg/L dry 6.09 1.20 108 75-125 1.49 25

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Kissler 01,03X Tank Battery Excavation

Project Number: CO23-074
Project Manager: Paul Henchan

Reported:
06/25/25 11:10

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BIC1347 - EPA 3050B

Blank (BIC1347-BLK1)

Prepared: 03/23/25 Analyzed: 03/27/25

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 (BIC1347-BS1)

Prepared: 03/23/25 Analyzed: 03/27/25

Arsenic	36.9	0.200	mg/kg wet	40.7	90.8	80-120
Barium	36.6	0.400	"	40.7	90.1	80-120
Cadmium	1.77	0.200	"	2.03	87.2	80-120
Copper	38.0	0.400	"	40.7	93.5	80-120
Lead	18.1	0.200	"	20.3	89.0	80-120
Nickel	37.6	0.400	"	40.7	92.4	80-120
Silver	1.79	0.0200	"	2.03	88.1	80-120
Zinc	37.1	0.400	"	40.7	91.3	80-120
Selenium	3.71	0.260	"	4.07	91.3	80-120

Duplicate (BIC1347-DUP1)

Source: 2502380-01

Prepared: 03/23/25 Analyzed: 03/27/25

Arsenic	2.02	0.200	mg/kg dry	1.92	5.12	20
Barium	131	0.400	"	126	3.79	20
Cadmium	0.321	0.200	"	0.330	2.54	20
Copper	8.99	0.400	"	9.11	1.36	20
Lead	21.8	0.200	"	34.3	44.6	20
Nickel	6.08	0.400	"	5.74	5.83	20
Silver	0.0444	0.0200	"	0.0459	3.43	20
Zinc	33.6	0.400	"	33.9	1.08	20
Selenium	ND	0.260	"	ND		20

QR-01

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Kissler 01,03X Tank Battery Excavation

Project Number: CO23-074
Project Manager: Paul Henchan

Reported:
06/25/25 11:10

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 BIC1347 - EPA 3050B

Matrix Spike (BIC1347-MS1)	Source: 2502380-01			Prepared: 03/23/25		Analyzed: 03/28/25					
Arsenic	48.9	0.200	mg/kg dry	49.2	1.92	95.6	75-125				
Barium	168	0.400	"	49.2	126	84.8	75-125				
Cadmium	2.72	0.200	"	2.46	0.330	97.1	75-125				
Copper	39.0	0.400	"	49.2	9.11	60.7	75-125				QM-05
Lead	48.6	0.200	"	24.6	34.3	58.1	75-125				QM-05
Nickel	33.4	0.400	"	49.2	5.74	56.4	75-125				QM-05
Silver	2.37	0.0200	"	2.46	0.0459	94.7	75-125				
Zinc	65.2	0.400	"	49.2	33.9	63.7	75-125				QM-05
Selenium	4.05	0.260	"	4.92	ND	82.4	75-125				

Matrix Spike Dup (BIC1347-MSD1)	Source: 2502380-01			Prepared: 03/23/25		Analyzed: 03/27/25					
Arsenic	28.0	0.200	mg/kg dry	49.2	1.92	53.0	75-125	54.5	25		QM-05
Barium	153	0.400	"	49.2	126	55.8	75-125	8.86	25		QM-05
Cadmium	2.48	0.200	"	2.46	0.330	87.4	75-125	9.20	25		
Copper	35.5	0.400	"	49.2	9.11	53.6	75-125	9.39	25		QM-05
Lead	43.3	0.200	"	24.6	34.3	36.5	75-125	11.5	25		QM-05
Nickel	32.4	0.400	"	49.2	5.74	54.2	75-125	3.22	25		QM-05
Silver	2.16	0.0200	"	2.46	0.0459	86.2	75-125	9.25	25		
Zinc	62.1	0.400	"	49.2	33.9	57.3	75-125	4.92	25		QM-05
Selenium	4.69	0.260	"	4.92	ND	95.4	75-125	14.6	25		

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Kissler 01,03X Tank Battery Excavation

Project Number: CO23-074
 Project Manager: Paul Henchan

Reported:
 06/25/25 11:10

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 BIC1402 - 3060A Mod

Blank (BIC1402-BLK1)

Prepared & Analyzed: 03/24/25

Chromium, Hexavalent ND 0.30 mg/kg wet

LCS (BIC1402-BS1)

Prepared & Analyzed: 03/24/25

Chromium, Hexavalent 25.0 0.30 mg/kg wet 24.0 104 80-120

Duplicate (BIC1402-DUP1)

Source: 2503269-02

Prepared & Analyzed: 03/24/25

Chromium, Hexavalent ND 0.30 mg/kg dry ND 20

Matrix Spike (BIC1402-MS1)

Source: 2503269-02

Prepared & Analyzed: 03/24/25

Chromium, Hexavalent 30.9 0.30 mg/kg dry 31.5 ND 98.0 75-125

Matrix Spike Dup (BIC1402-MSD1)

Source: 2503269-02

Prepared & Analyzed: 03/24/25

Chromium, Hexavalent 24.6 0.30 mg/kg dry 28.8 ND 85.6 75-125 22.5 20 QM-05

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Kissler 01,03X Tank Battery Excavation

Project Number: CO23-074
 Project Manager: Paul Henchan

Reported:
 06/25/25 11:10

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

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

Batch BIC1287 - General Preparation

Blank (BIC1287-BLK1)

Prepared: 03/21/25 Analyzed: 03/24/25

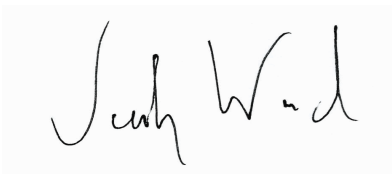
Calcium	ND	0.0500	mg/L wet							
Magnesium	ND	0.0500	"							
Sodium	ND	0.0500	"							

LCS (BIC1287-BS1)

Prepared: 03/21/25 Analyzed: 03/24/25

Calcium	4.62	0.0500	mg/L wet	5.00		92.4	70-130			
Magnesium	4.69	0.0500	"	5.00		93.7	70-130			
Sodium	4.85	0.0500	"	5.00		96.9	70-130			

Summit Scientific



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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Kissler 01,03X Tank Battery Excavation

Project Number: CO23-074
Project Manager: Paul Henchan

Reported:
06/25/25 11:10

Anions by EPA Method 300.0 - Quality Control

Summit Scientific

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

Batch BIC1484 - General Preparation

Blank (BIC1484-BLK1)

Prepared: 03/24/25 Analyzed: 04/04/25

Chloride	ND	0.0600	mg/L						
Sulfate	ND	0.300	"						

LCS (BIC1484-BS1)

Prepared: 03/24/25 Analyzed: 04/04/25

Chloride	2.94	0.0600	mg/L	3.00	98.2	90-110		
Sulfate	14.8	0.300	"	15.0	99.0	90-110		

Duplicate (BIC1484-DUP1)

Source: 2503207-12

Prepared: 03/24/25 Analyzed: 04/04/25

Chloride	265	0.0600	mg/L	292		9.83	20
Sulfate	411	0.300	"	454		10.1	20

Matrix Spike (BIC1484-MS1)

Source: 2503207-12

Prepared: 03/24/25 Analyzed: 04/04/25

Chloride	480	0.0600	mg/L	150	292	125	80-120	QM-05
Sulfate	1170	0.300	"	750	454	95.9	80-120	

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Kissler 01,03X Tank Battery Excavation

Project Number: CO23-074
 Project Manager: Paul Henchan

Reported:
 06/25/25 11:10

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 BIC1379 - General Preparation

Duplicate (BIC1379-DUP1)

Source: 2503267-01

Prepared & Analyzed: 03/24/25

% Solids	85.7		%		86.7			1.15	20	
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Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Kissler 01,03X Tank Battery Excavation

Project Number: CO23-074
 Project Manager: Paul Henchan

Reported:
 06/25/25 11:10

Total Dissolved Solids by SM2540C - Quality Control
Summit Scientific

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

Batch BIC1522 - General Preparation

Blank (BIC1522-BLK1)

Prepared: 03/25/25 Analyzed: 03/28/25

Total Dissolved Solids ND 10.0 mg/L

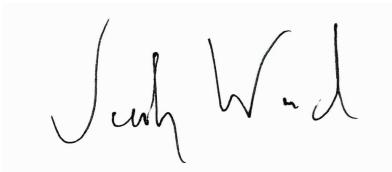
Duplicate (BIC1522-DUP1)

Source: 2503266-09

Prepared: 03/25/25 Analyzed: 03/28/25

Total Dissolved Solids 5720 10.0 mg/L 5800 1.39 20

Summit Scientific



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Project: Noble - Kissler 01,03X Tank Battery Excavation

Project Number: CO23-074
 Project Manager: Paul Henchan

Reported:
 06/25/25 11:10

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 BIC1319 - General Preparation

Blank (BIC1319-BLK1)

Prepared: 03/21/25 Analyzed: 03/24/25

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BIC1319-BS1)

Prepared: 03/21/25 Analyzed: 03/24/25

Specific Conductance (EC) 0.151 0.0100 mmhos/cm 0.150 101 95-105

Duplicate (BIC1319-DUP1)

Source: 2503269-02

Prepared: 03/21/25 Analyzed: 03/24/25

Specific Conductance (EC) 0.236 0.0100 mmhos/cm 0.247 4.89 20

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - Kissler 01,03X Tank Battery Excavation

Project Number: CO23-074
 Project Manager: Paul Henchan

Reported:
 06/25/25 11:10

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 BIC1317 - General Preparation

LCS (BIC1317-BS1)

Prepared: 03/21/25 Analyzed: 03/24/25

pH	9.10	pH Units	9.18	99.1	95-105
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Duplicate (BIC1317-DUP1)

Source: 2503269-02

Prepared: 03/21/25 Analyzed: 03/24/25

pH	8.97	pH Units	9.58	6.58	20
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Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Kissler 01,03X Tank Battery Excavation

Project Number: CO23-074
Project Manager: Paul Henchan

Reported:
06/25/25 11:10

Notes and Definitions

- S-02 The surrogate recovery for this sample cannot be accurately quantified due to matrix interference. Matrix interference was verified via reanalysis.
- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. Sample results were accepted based on LCS and/or LCSD recoveries and/or RPD values.
- QR-01 Analyses are not controlled on RPD values from sample concentrations below the reporting limit. Sample results were accepted based on LCS and/or LCSD recoveries and/or RPD values.
- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. Sample results were accepted based on LCS and/or LCSD recoveries and/or RPD values.
- QM-03 Multiple analyses indicate the percent recovery exceeds the quality control acceptance criteria due to a matrix effect. Sample results were accepted based on LCS and/or LCSD recoveries and/or RPD values.
- I-02 Sample was prepared and/or analyzed outside of holding time.
- E The concentration indicated for this analyte is an estimated value above the calibration range of the instrument.
- 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