

# Summit Scientific

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4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

March 18, 2025

Paul Henchan  
Fremont Environmental  
PO Box 1289  
Wellington, CO 80549

RE: Noble - Lower Latham Multi FL  
Work Order #2501201

Enclosed are the results of analyses for samples received by Summit Scientific on 01/14/25 16:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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

Natalie Tessier For Paul Shrewsbury  
President



Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Lower Latham Multi FL

Project Number: UWRWE-A2455-ABN

Project Manager: Paul Henchan

**Reported:**

03/18/25 10:18

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
2-8G, 1-32D, 2-22D FL02 3Ft (2)	2501201-01	Soil	01/14/25 08:50	01/14/25 16:30
2-8G, 1-32D, 2-22D FL05 3Ft (2)	2501201-02	Soil	01/14/25 09:00	01/14/25 16:30
02-01G Combi Trench 3Ft (2)/FL06	2501201-03	Soil	01/14/25 09:45	01/14/25 16:30
W FL Riser Combi Trench 3Ft (2)	2501201-04	Soil	01/14/25 08:12	01/14/25 16:30
E FL Riser Combi Trench 3Ft (2)	2501201-05	Soil	01/14/25 08:17	01/14/25 16:30

Summit Scientific

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Client: Fremont Environmental		Project Manager:		Send Invoice To:	
Address: 8305 6th St.		E-Mail: Chevron Dist. List, paulH, ethanB(@fremontenv.com)		Company: Chevron	
City/State/Zip: Wellington, CO		Project Name: Noble - Lower Latham Multi. FL		Project Name/Location:	
Phone:		Project Number: C024-060		AFE#:	
Sampler Name: Ethan Black				PO/Billing Codes: UWRWE-A2455-ENV	
				Contact: Dan Peterson	

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix		Analysis Requested								Special Instructions
					HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other	Full Table 915-1 (Soil)	Full Table 915-1 (GW)	NBTEX, TMBs	TPH (C6-C36)	PAHs	SAR, EC, pH, Boron	
1	2-8G, 1-32D, 2-22D FL02 3FT (2)	1/14/25	0850	2			X			X									
2	2-8G, 1-32D, 2-22D FL05 3FT (2)		0900	1															
3	02-01G Combi Trench 3FT (2)/FLOG		0945	1															
4	W FL Riser Combi Trench 3FT (2)		0812	1															
5	E FL Riser Combi Trench 3FT (2)		0817	1															
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			

Relinquished by: <i>Ethan Black</i>	Date/Time: <i>1/14/25 1217</i>	Received by: <i>S2 North</i>	Date/Time: <i>1/14/25 1217</i>	TAT Business Days	Field DO	Notes: Dist. Report to parties displayed in the email line(s) only.
Relinquished by: <i>FL</i>	Date/Time: <i>1/14/25 1630</i>	Received by: <i>[Signature]</i>	Date/Time: <i>1/14/25 1630</i>	Same Day	Field EC	
Relinquished by:	Date/Time:	Received by:	Date/Time:	1 Day	Field ORP	
				2 Days	Field pH	
				3 Days	Field Temp.	
Temperature Upon Receipt: <i>C - 0</i>	Corrected Temperature: <i>0</i>	IR gun #: <i>1</i>	HNO3 lot #:	Standard	X	Field Turb.

S<sub>2</sub>

Sample Receipt Checklist

S2 Work Order# 2501201

Client: Fremont Client Project ID: NO2e-lower Latham Multi FL

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

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

Temp (°C) 6.0 Thermometer # 1

	Yes	No	N/A	Comments (if any)
If samples require cooling, is the temperature < 6°C? <sup>(1)</sup> NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>on 2/6</u>
If custody seals are present, are they intact? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are samples due within 48 hours present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are water samples with short hold times present? Note the short hold analysis in the comments column - pH, Nitrate/Nitrite, Ferrous Iron (Fe <sup>2+</sup> ), Hexavalent Chromium (Cr <sup>6+</sup> , Cr VI), COD/BOD, Total Coliform, E. Coli, Total Residual Chlorine (TRC), Dissolved Oxygen	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out Completely? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC? <sup>(1)</sup>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling)? <sup>(1)</sup> Note the type of preservative in the comments column – HCl, H <sub>2</sub> SO <sub>4</sub> , NaOH, HNO <sub>3</sub> , etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2? <sup>(1)</sup> Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Additional Comments (if any):

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

AR  
Custodian Printed Name

1/14/25  
Date/Time



Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Lower Latham Multi FL

Project Number: UWRWE-A2455-ABN  
Project Manager: Paul Henchan

**Reported:**  
03/18/25 10:18

**2-8G, 1-32D, 2-22D FL02 3Ft (2)**

**2501201-01 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **01/14/25 08:50**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BIA1027	01/22/25	01/27/25	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	ND	0.50		"	"	"	"	"	"	

Date Sampled: **01/14/25 08:50**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0394	98.5 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0401	100 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0388	96.9 %		50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **01/14/25 08:50**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BIA1030	01/22/25	01/26/25	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **01/14/25 08:50**

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

**PAH by EPA Method 8270D SIM**

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03/18/25 10:18

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2501201-01 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **01/14/25 08:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BIA1060	01/23/25	01/29/25	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **01/14/25 08:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0266	79.8 %	40-140		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0251	75.4 %	40-140		"	"	"	"	

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **01/14/25 08:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BIB1265	02/22/25	03/05/25	EPA 6020B	

**Total Metals by EPA 6020B**

Date Sampled: **01/14/25 08:50**

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 - Lower Latham Multi FL

Project Number: UWRWE-A2455-ABN  
Project Manager: Paul Henchan

**Reported:**  
03/18/25 10:18

**2-8G, 1-32D, 2-22D FL02 3Ft (2)  
2501201-01 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	4.05	0.200	mg/kg dry	1	BIB1696	02/28/25	03/17/25	EPA 6020B	
Barium	102	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	3.68	0.400	"	"	"	"	"	"	
Lead	6.31	0.200	"	"	"	"	"	"	
Nickel	3.45	0.400	"	"	"	"	"	"	
Silver	0.0300	0.0200	"	"	"	"	"	"	
Zinc	16.4	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **01/14/25 08:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BIB0049	02/03/25	02/06/25	EPA 7196A	

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

Date Sampled: **01/14/25 08:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	93.4	0.0500	mg/L dry	1	BIB0297	02/06/25	02/13/25	EPA 6020B	
Magnesium	13.3	0.0500	"	"	"	"	"	"	
Sodium	34.2	0.0500	"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **01/14/25 08:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.877	0.00100	units	1	BIB0707	02/13/25	02/13/25	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods**

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 Project Manager: Paul Henchan

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 03/18/25 10:18

**2-8G, 1-32D, 2-22D FL02 3Ft (2)  
 2501201-01 (Soil)**

**Summit Scientific**

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **01/14/25 08:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	93.8		%	1	BIB0037	02/03/25	02/04/25	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **01/14/25 08:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.678	0.0100	mmhos/cm	1	BIB0299	02/06/25	02/07/25	EPA 120.1	

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

Date Sampled: **01/14/25 08:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.87		pH Units	1	BIB0303	02/06/25	02/07/25	EPA 9045D	

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Project: Noble - Lower Latham Multi FL

Project Number: UWRWE-A2455-ABN  
Project Manager: Paul Henchan

**Reported:**  
03/18/25 10:18

**2-8G, 1-32D, 2-22D FL05 3Ft (2)  
2501201-02 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **01/14/25 09:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BIA1027	01/22/25	01/27/25	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	ND	0.50	"	"	"	"	"	"	

Date Sampled: **01/14/25 09:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0420	105 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0407	102 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0400	99.9 %	50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **01/14/25 09:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BIA1030	01/22/25	01/26/25	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **01/14/25 09:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	12.0	95.6 %	30-150		"	"	"	"	

**PAH by EPA Method 8270D SIM**

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Project: Noble - Lower Latham Multi FL

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**Reported:**  
03/18/25 10:18

**2-8G, 1-32D, 2-22D FL05 3Ft (2)  
2501201-02 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **01/14/25 09:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BIA1060	01/23/25	01/29/25	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **01/14/25 09:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0217	65.0 %	40-140		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0211	63.2 %	40-140		"	"	"	"	

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **01/14/25 09:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BIB1265	02/22/25	03/05/25	EPA 6020B	

**Total Metals by EPA 6020B**

Date Sampled: **01/14/25 09:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Project Number: UWRWE-A2455-ABN  
Project Manager: Paul Henchan

**Reported:**  
03/18/25 10:18

**2-8G, 1-32D, 2-22D FL05 3Ft (2)  
2501201-02 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Arsenic	2.88	0.200	mg/kg dry	1	BIB1696	02/28/25	03/17/25	EPA 6020B
Barium	94.1	0.400	"	"	"	"	"	"
Cadmium	0.235	0.200	"	"	"	"	"	"
Copper	5.20	0.400	"	"	"	"	"	"
Lead	8.86	0.200	"	"	"	"	"	"
Nickel	5.06	0.400	"	"	"	"	"	"
Silver	0.0253	0.0200	"	"	"	"	"	"
Zinc	24.1	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **01/14/25 09:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BIB0049	02/03/25	02/06/25	EPA 7196A	

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

Date Sampled: **01/14/25 09:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	64.0	0.0500	mg/L dry	1	BIB0297	02/06/25	02/13/25	EPA 6020B	
Magnesium	16.2	0.0500	"	"	"	"	"	"	
Sodium	15.6	0.0500	"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **01/14/25 09:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.451	0.00100	units	1	BIB0707	02/13/25	02/13/25	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **01/14/25 09:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Project Number: UWRWE-A2455-ABN  
 Project Manager: Paul Henchan

**Reported:**  
 03/18/25 10:18

**2-8G, 1-32D, 2-22D FL05 3Ft (2)  
 2501201-02 (Soil)**

**Summit Scientific**

**Physical Parameters by APHA/ASTM/EPA Methods**

% Solids	93.3	%	1	BIB0037	02/03/25	02/04/25	Calculation
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**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **01/14/25 09:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.483	0.0100	mmhos/cm	1	BIB0299	02/06/25	02/07/25	EPA 120.1	

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

Date Sampled: **01/14/25 09:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.74		pH Units	1	BIB0303	02/06/25	02/07/25	EPA 9045D	

Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Lower Latham Multi FL

Project Number: UWRWE-A2455-ABN  
Project Manager: Paul Henchan

**Reported:**  
03/18/25 10:18

**02-01G Combi Trench 3Ft (2)/FL06  
2501201-03 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **01/14/25 09:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BIA1027	01/22/25	01/27/25	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	ND	0.50	"	"	"	"	"	"	

Date Sampled: **01/14/25 09:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0405	101 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0412	103 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0400	100 %	50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **01/14/25 09:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BIA1030	01/22/25	01/28/25	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **01/14/25 09:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	10.6	85.0 %	30-150		"	"	"	"	

**PAH by EPA Method 8270D SIM**

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Fremont Environmental  
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 Wellington CO, 80549

Project: Noble - Lower Latham Multi FL

Project Number: UWRWE-A2455-ABN  
 Project Manager: Paul Henchan

**Reported:**  
 03/18/25 10:18

**02-01G Combi Trench 3Ft (2)/FL06  
 2501201-03 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **01/14/25 09:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BIA1060	01/23/25	01/29/25	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **01/14/25 09:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0269	80.8 %	40-140		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0235	70.5 %	40-140		"	"	"	"	

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **01/14/25 09:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BIB1265	02/22/25	03/05/25	EPA 6020B	

**Total Metals by EPA 6020B**

Date Sampled: **01/14/25 09:45**

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 - Lower Latham Multi FL  
Project Number: UWRWE-A2455-ABN  
Project Manager: Paul Henchan

**Reported:**  
03/18/25 10:18

**02-01G Combi Trench 3Ft (2)/FL06  
2501201-03 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	2.46	0.200	mg/kg dry	1	BIB1696	02/28/25	03/17/25	EPA 6020B	
Barium	161	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	4.71	0.400	"	"	"	"	"	"	
Lead	7.04	0.200	"	"	"	"	"	"	
Nickel	4.49	0.400	"	"	"	"	"	"	
Silver	0.0234	0.0200	"	"	"	"	"	"	
Zinc	20.2	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **01/14/25 09:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BIB0049	02/03/25	02/06/25	EPA 7196A	

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

Date Sampled: **01/14/25 09:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	82.6	0.0500	mg/L dry	1	BIB0297	02/06/25	02/13/25	EPA 6020B	
Magnesium	3.38	0.0500	"	"	"	"	"	"	
Sodium	25.6	0.0500	"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **01/14/25 09:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.751	0.00100	units	1	BIB0707	02/13/25	02/13/25	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods**

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 Wellington CO, 80549

Project: Noble - Lower Latham Multi FL

Project Number: UWRWE-A2455-ABN  
 Project Manager: Paul Henchan

**Reported:**  
 03/18/25 10:18

**02-01G Combi Trench 3Ft (2)/FL06  
 2501201-03 (Soil)**

**Summit Scientific**

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **01/14/25 09:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	92.4		%	1	BIB0037	02/03/25	02/04/25	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **01/14/25 09:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.193	0.0100	mmhos/cm	1	BIB0299	02/06/25	02/07/25	EPA 120.1	

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

Date Sampled: **01/14/25 09:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.92		pH Units	1	BIB0303	02/06/25	02/07/25	EPA 9045D	

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Wellington CO, 80549

Project: Noble - Lower Latham Multi FL  
Project Number: UWRWE-A2455-ABN  
Project Manager: Paul Henchan

**Reported:**  
03/18/25 10:18

**W FL Riser Combi Trench 3Ft (2)**  
**2501201-04 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **01/14/25 08:12**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BIA1027	01/22/25	01/27/25	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	ND	0.50	"	"	"	"	"	"	

Date Sampled: **01/14/25 08:12**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0397	99.2 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0406	101 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0392	98.0 %	50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **01/14/25 08:12**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BIA1030	01/22/25	01/28/25	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **01/14/25 08:12**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	10.4	82.8 %	30-150		"	"	"	"	

**PAH by EPA Method 8270D SIM**

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Fremont Environmental  
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Wellington CO, 80549

Project: Noble - Lower Latham Multi FL

Project Number: UWRWE-A2455-ABN  
Project Manager: Paul Henchan

**Reported:**  
03/18/25 10:18

**W FL Riser Combi Trench 3Ft (2)**  
**2501201-04 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **01/14/25 08:12**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BIA1060	01/23/25	01/29/25	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **01/14/25 08:12**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0245	73.5 %	40-140		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0238	71.3 %	40-140		"	"	"	"	

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **01/14/25 08:12**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BIB1265	02/22/25	03/05/25	EPA 6020B	

**Total Metals by EPA 6020B**

Date Sampled: **01/14/25 08:12**

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 - Lower Latham Multi FL  
Project Number: UWRWE-A2455-ABN  
Project Manager: Paul Henchan

**Reported:**  
03/18/25 10:18

**W FL Riser Combi Trench 3Ft (2)**  
**2501201-04 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Arsenic	2.80	0.200	mg/kg dry	1	BIB1696	02/28/25	03/17/25	EPA 6020B
Barium	215	0.400	"	"	"	"	"	"
Cadmium	0.281	0.200	"	"	"	"	"	"
Copper	6.18	0.400	"	"	"	"	"	"
Lead	8.36	0.200	"	"	"	"	"	"
Nickel	4.94	0.400	"	"	"	"	"	"
Silver	0.0448	0.0200	"	"	"	"	"	"
Zinc	25.6	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **01/14/25 08:12**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BIB0049	02/03/25	02/06/25	EPA 7196A	

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

Date Sampled: **01/14/25 08:12**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	28.9	0.0500	mg/L dry	1	BIB0297	02/06/25	02/13/25	EPA 6020B	
Magnesium	3.16	0.0500	"	"	"	"	"	"	
Sodium	6.11	0.0500	"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **01/14/25 08:12**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.288	0.00100	units	1	BIB0707	02/13/25	02/13/25	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **01/14/25 08:12**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Project: Noble - Lower Latham Multi FL

Project Number: UWRWE-A2455-ABN  
 Project Manager: Paul Henchan

**Reported:**  
 03/18/25 10:18

**W FL Riser Combi Trench 3Ft (2)**  
**2501201-04 (Soil)**

**Summit Scientific**

**Physical Parameters by APHA/ASTM/EPA Methods**

% Solids	92.2	%	1	BIB0037	02/03/25	02/04/25	Calculation
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**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **01/14/25 08:12**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.162	0.0100	mmhos/cm	1	BIB0299	02/06/25	02/07/25	EPA 120.1	

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

Date Sampled: **01/14/25 08:12**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.70		pH Units	1	BIB0303	02/06/25	02/07/25	EPA 9045D	

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Wellington CO, 80549

Project: Noble - Lower Latham Multi FL

Project Number: UWRWE-A2455-ABN  
Project Manager: Paul Henchan

**Reported:**  
03/18/25 10:18

**E FL Riser Combi Trench 3Ft (2)**  
**2501201-05 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **01/14/25 08:17**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BIA1027	01/22/25	01/27/25	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	ND	0.50	"	"	"	"	"	"	

Date Sampled: **01/14/25 08:17**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0414	103 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0404	101 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0387	96.8 %	50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **01/14/25 08:17**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BIA1030	01/22/25	01/26/25	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **01/14/25 08:17**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	10.0	80.0 %	30-150		"	"	"	"	

**PAH by EPA Method 8270D SIM**

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Project: Noble - Lower Latham Multi FL

Project Number: UWRWE-A2455-ABN  
Project Manager: Paul Henchan

**Reported:**  
03/18/25 10:18

**E FL Riser Combi Trench 3Ft (2)**  
**2501201-05 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **01/14/25 08:17**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BIA1060	01/23/25	01/29/25	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **01/14/25 08:17**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0265	79.6 %	40-140		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0307	92.2 %	40-140		"	"	"	"	

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **01/14/25 08:17**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BIB1265	02/22/25	03/05/25	EPA 6020B	

**Total Metals by EPA 6020B**

Date Sampled: **01/14/25 08:17**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Project: Noble - Lower Latham Multi FL

Project Number: UWRWE-A2455-ABN  
Project Manager: Paul Henchan

**Reported:**  
03/18/25 10:18

**E FL Riser Combi Trench 3Ft (2)**  
**2501201-05 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	3.81	0.200	mg/kg dry	1	BIB1696	02/28/25	03/17/25	EPA 6020B	
Barium	154	0.400	"	"	"	"	"	"	
Cadmium	0.247	0.200	"	"	"	"	"	"	
Copper	5.17	0.400	"	"	"	"	"	"	
Lead	7.72	0.200	"	"	"	"	"	"	
Nickel	4.88	0.400	"	"	"	"	"	"	
Silver	0.0260	0.0200	"	"	"	"	"	"	
Zinc	20.4	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: **01/14/25 08:17**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BIB0049	02/03/25	02/06/25	EPA 7196A	

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

Date Sampled: **01/14/25 08:17**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	38.4	0.0500	mg/L dry	1	BIB0297	02/06/25	02/13/25	EPA 6020B	
Magnesium	3.34	0.0500	"	"	"	"	"	"	
Sodium	2.97	0.0500	"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **01/14/25 08:17**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.123	0.00100	units	1	BIB0707	02/13/25	02/13/25	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **01/14/25 08:17**

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 - Lower Latham Multi FL

Project Number: UWRWE-A2455-ABN  
 Project Manager: Paul Henchan

**Reported:**  
 03/18/25 10:18

**E FL Riser Combi Trench 3Ft (2)  
 2501201-05 (Soil)**

**Summit Scientific**

**Physical Parameters by APHA/ASTM/EPA Methods**

% Solids	92.3	%	1	BIB0037	02/03/25	02/04/25	Calculation
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**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **01/14/25 08:17**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.142	0.0100	mmhos/cm	1	BIB0299	02/06/25	02/07/25	EPA 120.1	

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

Date Sampled: **01/14/25 08:17**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.58		pH Units	1	BIB0303	02/06/25	02/07/25	EPA 9045D	

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Project: Noble - Lower Latham Multi FL  
Project Number: UWRWE-A2455-ABN  
Project Manager: Paul Henchan

**Reported:**  
03/18/25 10:18

### Volatile Organic Compounds by EPA Method 8260B - Quality Control

#### Summit Scientific

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

#### Batch BIA1027 - EPA 5030 Soil MS

##### Blank (BIA1027-BLK1)

Prepared: 01/22/25 Analyzed: 01/26/25

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	"								
Surrogate: 1,2-Dichloroethane-d4	0.0403		"	0.0400		101	50-150				
Surrogate: Toluene-d8	0.0406		"	0.0400		101	50-150				
Surrogate: 4-Bromofluorobenzene	0.0398		"	0.0400		99.4	50-150				

##### LCS (BIA1027-BS1)

Prepared: 01/22/25 Analyzed: 01/26/25

Benzene	0.0999	0.0020	mg/kg	0.100		99.9	70-130				
Toluene	0.0970	0.0050	"	0.100		97.0	70-130				
Ethylbenzene	0.0963	0.0050	"	0.100		96.3	70-130				
m,p-Xylene	0.197	0.010	"	0.200		98.3	70-130				
o-Xylene	0.100	0.0050	"	0.100		100	70-130				
1,2,4-Trimethylbenzene	0.0984	0.0050	"	0.100		98.4	70-130				
1,3,5-Trimethylbenzene	0.0967	0.0050	"	0.100		96.7	70-130				
Naphthalene	0.0965	0.0038	"	0.100		96.5	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.0404		"	0.0400		101	50-150				
Surrogate: Toluene-d8	0.0402		"	0.0400		101	50-150				
Surrogate: 4-Bromofluorobenzene	0.0409		"	0.0400		102	50-150				

##### Matrix Spike (BIA1027-MS1)

Source: 2501194-01

Prepared: 01/22/25 Analyzed: 01/26/25

Benzene	0.0947	0.0020	mg/kg	0.100	ND	94.7	70-130				
Toluene	0.0908	0.0050	"	0.100	ND	90.8	70-130				
Ethylbenzene	0.0802	0.0050	"	0.100	ND	80.2	70-130				
m,p-Xylene	0.186	0.010	"	0.200	ND	92.9	70-130				
o-Xylene	0.0951	0.0050	"	0.100	ND	95.1	70-130				
1,2,4-Trimethylbenzene	0.0890	0.0050	"	0.100	ND	89.0	70-130				
1,3,5-Trimethylbenzene	0.0872	0.0050	"	0.100	ND	87.2	70-130				
Naphthalene	0.0967	0.0038	"	0.100	ND	96.7	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.0405		"	0.0400		101	50-150				
Surrogate: Toluene-d8	0.0401		"	0.0400		100	50-150				
Surrogate: 4-Bromofluorobenzene	0.0404		"	0.0400		101	50-150				

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 Project Number: UWRWE-A2455-ABN  
 Project Manager: Paul Henchan

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**Volatile Organic Compounds by EPA Method 8260B - Quality Control**

**Summit Scientific**

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

**Batch BIA1027 - EPA 5030 Soil MS**

Matrix Spike Dup (BIA1027-MSD1)	Source: 2501194-01			Prepared: 01/22/25 Analyzed: 01/26/25					
Benzene	0.0950	0.0020	mg/kg	0.100	ND	95.0	70-130	0.348	30
Toluene	0.0881	0.0050	"	0.100	ND	88.1	70-130	2.99	30
Ethylbenzene	0.0820	0.0050	"	0.100	ND	82.0	70-130	2.15	30
m,p-Xylene	0.173	0.010	"	0.200	ND	86.4	70-130	7.28	30
o-Xylene	0.0879	0.0050	"	0.100	ND	87.9	70-130	7.83	30
1,2,4-Trimethylbenzene	0.0818	0.0050	"	0.100	ND	81.8	70-130	8.43	30
1,3,5-Trimethylbenzene	0.0799	0.0050	"	0.100	ND	79.9	70-130	8.76	30
Naphthalene	0.0905	0.0038	"	0.100	ND	90.5	70-130	6.60	30
Surrogate: 1,2-Dichloroethane-d4	0.0421		"	0.0400		105	50-150		
Surrogate: Toluene-d8	0.0400		"	0.0400		100	50-150		
Surrogate: 4-Bromofluorobenzene	0.0404		"	0.0400		101	50-150		

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Project: Noble - Lower Latham Multi FL  
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 Project Manager: Paul Henchan

**Reported:**  
 03/18/25 10:18

**Extractable Petroleum Hydrocarbons by 8015 - Quality Control**  
**Summit Scientific**

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

**Batch BIA1030 - EPA 3550A**

**Blank (BIA1030-BLK1)**

Prepared: 01/22/25 Analyzed: 01/26/25

C10-C28 (DRO)	ND	50	mg/kg								
C28-C36 (ORO)	ND	50	"								
Surrogate: <i>o</i> -Terphenyl	12.9		"	12.5		103		30-150			

**LCS (BIA1030-BS1)**

Prepared: 01/22/25 Analyzed: 01/26/25

C10-C28 (DRO)	572	50	mg/kg	500		114		70-130			
Surrogate: <i>o</i> -Terphenyl	14.2		"	12.5		114		30-150			

**Matrix Spike (BIA1030-MS1)**

Source: 2501194-01

Prepared: 01/22/25 Analyzed: 01/26/25

C10-C28 (DRO)	677	50	mg/kg	500	123	111		70-130			
Surrogate: <i>o</i> -Terphenyl	13.4		"	12.5		107		30-150			

**Matrix Spike Dup (BIA1030-MSD1)**

Source: 2501194-01

Prepared: 01/22/25 Analyzed: 01/26/25

C10-C28 (DRO)	879	50	mg/kg	500	123	151		70-130	26.0	20	QM-05
Surrogate: <i>o</i> -Terphenyl	14.4		"	12.5		115		30-150			

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Project: Noble - Lower Latham Multi FL  
Project Number: UWRWE-A2455-ABN  
Project Manager: Paul Henchan

**Reported:**  
03/18/25 10:18

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

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

**Batch BIA1060 - EPA 5030 Soil MS**

**Blank (BIA1060-BLK1)**

Prepared: 01/23/25 Analyzed: 01/28/25

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	"							
Surrogate: 2-Methylnaphthalene-d10	0.0196		"	0.0333	58.8	40-140				
Surrogate: Fluoranthene-d10	0.0206		"	0.0333	61.8	40-140				

**LCS (BIA1060-BS1)**

Prepared: 01/23/25 Analyzed: 01/28/25

Acenaphthene	0.0196	0.00500	mg/kg	0.0333	58.7	40-140				
Anthracene	0.0182	0.00500	"	0.0333	54.7	40-140				
Benzo (a) anthracene	0.0212	0.00500	"	0.0333	63.5	40-140				
Benzo (a) pyrene	0.0183	0.00500	"	0.0333	55.0	40-140				
Benzo (b) fluoranthene	0.0193	0.00500	"	0.0333	57.9	40-140				
Benzo (k) fluoranthene	0.0205	0.00500	"	0.0333	61.6	40-140				
Chrysene	0.0212	0.00500	"	0.0333	63.6	40-140				
Dibenz (a,h) anthracene	0.0162	0.00500	"	0.0333	48.6	40-140				
Fluoranthene	0.0216	0.00500	"	0.0333	64.9	40-140				
Fluorene	0.0190	0.00500	"	0.0333	56.9	40-140				
Indeno (1,2,3-cd) pyrene	0.0158	0.00500	"	0.0333	47.4	40-140				
Pyrene	0.0218	0.00500	"	0.0333	65.5	40-140				
1-Methylnaphthalene	0.0212	0.00500	"	0.0333	63.5	40-140				
2-Methylnaphthalene	0.0215	0.00500	"	0.0333	64.4	40-140				
Surrogate: 2-Methylnaphthalene-d10	0.0205		"	0.0333	61.6	40-140				
Surrogate: Fluoranthene-d10	0.0205		"	0.0333	61.4	40-140				

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Project: Noble - Lower Latham Multi FL  
Project Number: UWRWE-A2455-ABN  
Project Manager: Paul Henchan

**Reported:**  
03/18/25 10:18

**PAH by EPA Method 8270D SIM - Quality Control**

**Summit Scientific**

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

**Batch BIA1060 - EPA 5030 Soil MS**

<b>Matrix Spike (BIA1060-MS1)</b>	<b>Source: 2501193-01</b>			<b>Prepared: 01/23/25 Analyzed: 01/28/25</b>						
Acenaphthene	0.0260	0.00500	mg/kg	0.0333	ND	77.9	40-140			
Anthracene	0.0263	0.00500	"	0.0333	ND	78.8	40-140			
Benzo (a) anthracene	0.0288	0.00500	"	0.0333	ND	86.4	40-140			
Benzo (a) pyrene	0.0249	0.00500	"	0.0333	ND	74.8	40-140			
Benzo (b) fluoranthene	0.0240	0.00500	"	0.0333	ND	72.1	40-140			
Benzo (k) fluoranthene	0.0247	0.00500	"	0.0333	ND	74.2	40-140			
Chrysene	0.0276	0.00500	"	0.0333	ND	82.8	40-140			
Dibenz (a,h) anthracene	0.0217	0.00500	"	0.0333	ND	65.2	40-140			
Fluoranthene	0.0275	0.00500	"	0.0333	ND	82.4	40-140			
Fluorene	0.0259	0.00500	"	0.0333	ND	77.7	40-140			
Indeno (1,2,3-cd) pyrene	0.0245	0.00500	"	0.0333	ND	73.4	40-140			
Pyrene	0.0280	0.00500	"	0.0333	ND	84.0	40-140			
1-Methylnaphthalene	0.0251	0.00500	"	0.0333	ND	75.3	40-140			
2-Methylnaphthalene	0.0251	0.00500	"	0.0333	ND	75.4	40-140			
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0253</i>		<i>"</i>	<i>0.0333</i>		<i>76.0</i>	<i>40-140</i>			
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0277</i>		<i>"</i>	<i>0.0333</i>		<i>83.2</i>	<i>40-140</i>			

<b>Matrix Spike Dup (BIA1060-MSD1)</b>	<b>Source: 2501193-01</b>			<b>Prepared: 01/23/25 Analyzed: 01/28/25</b>						
Acenaphthene	0.0213	0.00500	mg/kg	0.0333	ND	63.8	40-140	19.9	30	
Anthracene	0.0211	0.00500	"	0.0333	ND	63.3	40-140	21.8	30	
Benzo (a) anthracene	0.0241	0.00500	"	0.0333	ND	72.4	40-140	17.7	30	
Benzo (a) pyrene	0.0218	0.00500	"	0.0333	ND	65.5	40-140	13.3	30	
Benzo (b) fluoranthene	0.0214	0.00500	"	0.0333	ND	64.3	40-140	11.4	30	
Benzo (k) fluoranthene	0.0212	0.00500	"	0.0333	ND	63.6	40-140	15.3	30	
Chrysene	0.0224	0.00500	"	0.0333	ND	67.3	40-140	20.7	30	
Dibenz (a,h) anthracene	0.0178	0.00500	"	0.0333	ND	53.4	40-140	19.9	30	
Fluoranthene	0.0226	0.00500	"	0.0333	ND	67.8	40-140	19.5	30	
Fluorene	0.0250	0.00500	"	0.0333	ND	74.9	40-140	3.61	30	
Indeno (1,2,3-cd) pyrene	0.0197	0.00500	"	0.0333	ND	59.2	40-140	21.5	30	
Pyrene	0.0217	0.00500	"	0.0333	ND	65.0	40-140	25.4	30	
1-Methylnaphthalene	0.0235	0.00500	"	0.0333	ND	70.4	40-140	6.72	30	
2-Methylnaphthalene	0.0228	0.00500	"	0.0333	ND	68.3	40-140	9.78	30	
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0228</i>		<i>"</i>	<i>0.0333</i>		<i>68.4</i>	<i>40-140</i>			
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0225</i>		<i>"</i>	<i>0.0333</i>		<i>67.5</i>	<i>40-140</i>			

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Project: Noble - Lower Latham Multi FL  
 Project Number: UWRWE-A2455-ABN  
 Project Manager: Paul Henchan

**Reported:**  
 03/18/25 10:18

**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 BIB1265 - EPA 3050B**

**Blank (BIB1265-BLK1)**

Prepared: 02/22/25 Analyzed: 03/05/25

Boron ND 2.00 mg/L

**LCS (BIB1265-BS1)**

Prepared: 02/22/25 Analyzed: 03/05/25

Boron 4.67 2.00 mg/L 5.00 93.3 80-120

**Duplicate (BIB1265-DUP1)**

Source: 2501196-21

Prepared: 02/22/25 Analyzed: 03/05/25

Boron 0.143 2.00 mg/L 0.150 4.92 20

**Matrix Spike (BIB1265-MS1)**

Source: 2501196-21

Prepared: 02/22/25 Analyzed: 03/05/25

Boron 4.91 2.00 mg/L 5.02 0.150 94.9 75-125

**Matrix Spike Dup (BIB1265-MSD1)**

Source: 2501196-21

Prepared: 02/22/25 Analyzed: 03/05/25

Boron 4.87 2.00 mg/L 5.02 0.150 94.1 75-125 0.847 25

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Project: Noble - Lower Latham Multi FL

Project Number: UWRWE-A2455-ABN  
Project Manager: Paul Henchan

**Reported:**  
03/18/25 10:18

**Total Metals by EPA 6020B - Quality Control**  
**Summit Scientific**

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

**Batch BIB1696 - EPA 3050B**

**Blank (BIB1696-BLK1)**

Prepared: 02/28/25 Analyzed: 03/17/25

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 (BIB1696-BS1)**

Prepared: 02/28/25 Analyzed: 03/17/25

Arsenic	41.0	0.200	mg/kg wet	41.0	99.9	80-120
Barium	44.3	0.400	"	41.0	108	80-120
Cadmium	2.05	0.200	"	2.05	100	80-120
Copper	44.4	0.400	"	41.0	108	80-120
Lead	20.4	0.200	"	20.5	99.7	80-120
Nickel	44.0	0.400	"	41.0	107	80-120
Silver	2.06	0.0200	"	2.05	100	80-120
Zinc	42.9	0.400	"	41.0	105	80-120
Selenium	3.77	0.260	"	4.10	92.1	80-120

**Duplicate (BIB1696-DUP1)**

Source: 2501196-20

Prepared: 02/28/25 Analyzed: 03/17/25

Arsenic	3.55	0.200	mg/kg dry	3.82	7.33	20
Barium	103	0.400	"	98.5	4.61	20
Cadmium	0.301	0.200	"	0.276	8.48	20
Copper	8.09	0.400	"	8.13	0.462	20
Lead	9.42	0.200	"	9.39	0.373	20
Nickel	8.25	0.400	"	8.20	0.607	20
Silver	0.0560	0.0200	"	0.0563	0.606	20
Zinc	27.4	0.400	"	30.5	10.6	20
Selenium	0.239	0.260	"	0.272	13.0	20

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Project: Noble - Lower Latham Multi FL

Project Number: UWRWE-A2455-ABN  
 Project Manager: Paul Henchan

**Reported:**  
 03/18/25 10:18

**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 BIB1696 - EPA 3050B**

<b>Matrix Spike (BIB1696-MS1)</b>	<b>Source: 2501196-20</b>			Prepared: 02/28/25		Analyzed: 03/17/25					
Arsenic	53.9	0.200	mg/kg dry	50.2	3.82	99.9	75-125				
Barium	165	0.400	"	50.2	98.5	132	75-125				QM-05
Cadmium	2.76	0.200	"	2.51	0.276	99.2	75-125				
Copper	41.5	0.400	"	50.2	8.13	66.6	75-125				QM-05
Lead	32.4	0.200	"	25.1	9.39	91.8	75-125				
Nickel	41.6	0.400	"	50.2	8.20	66.5	75-125				QM-05
Silver	2.55	0.0200	"	2.51	0.0563	99.4	75-125				
Zinc	59.0	0.400	"	50.2	30.5	56.9	75-125				QM-05
Selenium	4.32	0.260	"	5.02	0.272	80.6	75-125				

<b>Matrix Spike Dup (BIB1696-MSD1)</b>	<b>Source: 2501196-20</b>			Prepared: 02/28/25		Analyzed: 03/17/25					
Arsenic	51.8	0.200	mg/kg dry	51.0	3.82	94.1	75-125	4.05	25		
Barium	146	0.400	"	51.0	98.5	93.0	75-125	12.1	25		
Cadmium	2.83	0.200	"	2.55	0.276	100	75-125	2.49	25		
Copper	40.2	0.400	"	51.0	8.13	62.8	75-125	3.35	25		QM-05
Lead	33.9	0.200	"	25.5	9.39	96.3	75-125	4.59	25		
Nickel	40.2	0.400	"	51.0	8.20	62.7	75-125	3.49	25		QM-05
Silver	2.52	0.0200	"	2.55	0.0563	96.7	75-125	1.17	25		
Zinc	58.9	0.400	"	51.0	30.5	55.8	75-125	0.195	25		QM-05
Selenium	4.12	0.260	"	5.10	0.272	75.4	75-125	4.75	25		

Summit Scientific

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Fremont Environmental  
 PO Box 1289  
 Wellington CO, 80549

Project: Noble - Lower Latham Multi FL

Project Number: UWRWE-A2455-ABN  
 Project Manager: Paul Henchan

**Reported:**  
 03/18/25 10:18

**Hexavalent Chromium by EPA Method 7196 - Quality Control**  
**Summit Scientific**

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

**Batch BIB0049 - 3060A Mod**

**Blank (BIB0049-BLK1)**

Prepared: 02/03/25 Analyzed: 02/06/25

Chromium, Hexavalent ND 0.30 mg/kg wet

**LCS (BIB0049-BS1)**

Prepared: 02/03/25 Analyzed: 02/06/25

Chromium, Hexavalent 24.5 0.30 mg/kg wet 25.0 98.0 80-120

**Duplicate (BIB0049-DUP1)**

**Source: 2501201-01**

Prepared: 02/03/25 Analyzed: 02/06/25

Chromium, Hexavalent ND 0.30 mg/kg dry ND 20

**Matrix Spike (BIB0049-MS1)**

**Source: 2501201-01**

Prepared: 02/03/25 Analyzed: 02/06/25

Chromium, Hexavalent 21.3 0.30 mg/kg dry 26.7 ND 80.0 75-125

**Matrix Spike Dup (BIB0049-MSD1)**

**Source: 2501201-01**

Prepared: 02/03/25 Analyzed: 02/06/25

Chromium, Hexavalent 25.9 0.30 mg/kg dry 26.7 ND 97.0 75-125 19.2 20

Summit Scientific

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Project: Noble - Lower Latham Multi FL

Project Number: UWRWE-A2455-ABN  
 Project Manager: Paul Henchan

**Reported:**  
 03/18/25 10:18

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

**Summit Scientific**

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

**Batch BIB0297 - General Preparation**

**Blank (BIB0297-BLK1)**

Prepared: 02/06/25 Analyzed: 02/13/25

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

**LCS (BIB0297-BS1)**

Prepared: 02/06/25 Analyzed: 02/13/25

Calcium	5.78	0.0500	mg/L wet	5.00	116	70-130				
Magnesium	5.24	0.0500	"	5.00	105	70-130				
Sodium	4.86	0.0500	"	5.00	97.2	70-130				

Summit Scientific

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Project: Noble - Lower Latham Multi FL

Project Number: UWRWE-A2455-ABN  
 Project Manager: Paul Henchan

**Reported:**  
 03/18/25 10:18

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

**Summit Scientific**

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

**Batch BIB0037 - General Preparation**

**Duplicate (BIB0037-DUP1)**

**Source: 2501199-01**

Prepared: 02/03/25 Analyzed: 02/04/25

% Solids	92.2		%		91.5			0.772		20	
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Summit Scientific

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 Wellington CO, 80549

Project: Noble - Lower Latham Multi FL  
 Project Number: UWRWE-A2455-ABN  
 Project Manager: Paul Henchan

**Reported:**  
 03/18/25 10:18

**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 BIB0299 - General Preparation**

**Blank (BIB0299-BLK1)**

Prepared: 02/06/25 Analyzed: 02/07/25

Specific Conductance (EC) ND 0.0100 mmhos/cm

**LCS (BIB0299-BS1)**

Prepared: 02/06/25 Analyzed: 02/07/25

Specific Conductance (EC) 1.37 0.0100 mmhos/cm 1.41 97.0 95-105

**Duplicate (BIB0299-DUP1)**

Source: 2501201-01

Prepared: 02/06/25 Analyzed: 02/07/25

Specific Conductance (EC) 0.677 0.0100 mmhos/cm 0.678 0.285 20

Summit Scientific

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Project: Noble - Lower Latham Multi FL

Project Number: UWRWE-A2455-ABN  
 Project Manager: Paul Henchan

**Reported:**  
 03/18/25 10:18

**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 BIB0303 - General Preparation**

**LCS (BIB0303-BS1)**

Prepared: 02/06/25 Analyzed: 02/07/25

pH	9.22	pH Units	9.18	100	95-105
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**Duplicate (BIB0303-DUP1)**

Source: 2501201-01

Prepared: 02/06/25 Analyzed: 02/07/25

pH	7.82	pH Units	7.87	0.707	20
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Summit Scientific

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Fremont Environmental  
PO Box 1289  
Wellington CO, 80549

Project: Noble - Lower Latham Multi FL

Project Number: UWRWE-A2455-ABN

Project Manager: Paul Henchan

**Reported:**  
03/18/25 10:18

### Notes and Definitions

- 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.
- 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