



Fremont Environmental

Ethan Black

8305 6th St, PO Box 1289

Wellington CO 80549

April 28, 2025

Project Name - Noble - Patriot B16-20

Project Number - C023-036

Attached are your analytical results for Noble - Patriot B16-20 received by Origins Laboratory March 12, 2025. This project is associated with Origins project number E5C0456-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory
303.433.1322
projectmanager@originslab.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645



Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Ethan Black
 Project Number: C023-036
 Project: Noble - Patriot B16-20

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FL01 3ft (2)	E5C0456-01	Soil	March 12, 2025 0:00	03/12/2025 17:18
FL02 3ft	E5C0456-02	Soil	March 12, 2025 0:00	03/12/2025 17:18
FL05 3ft	E5C0456-03	Soil	March 12, 2025 0:00	03/12/2025 17:18
E02 Wall 3ft (2)	E5C0456-04	Soil	March 12, 2025 0:00	03/12/2025 17:18
20 BKG 1 3Ft	E5C0456-05	Soil	March 12, 2025 0:00	03/12/2025 17:18
20 BKG 2 3Ft	E5C0456-06	Soil	March 12, 2025 0:00	03/12/2025 17:18
20 BKG 3 3Ft	E5C0456-07	Soil	March 12, 2025 0:00	03/12/2025 17:18
20 BKG 4 3Ft	E5C0456-08	Soil	March 12, 2025 0:00	03/12/2025 17:18
20 BKG 5 3Ft	E5C0456-09	Soil	March 12, 2025 0:00	03/12/2025 17:18

Origins Laboratory

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

ORIGINS LABORATORY

Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Ethan Black
 Project Number: C023-036
 Project: Noble - Patriot B16-20

1725 Elk Place | Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645



6500450

www.originslaboratory.com

page 1 of 2

Client: Fremont Environmental
 Address: [Redacted]
 Project Manager: Ethan Black
 Project Name: Noble - Patriot B16-20
 Project Number: C023-036
 Sample Collected By: Jordan Sullis

Telephone Number: [Redacted]
 Email Address: jps@fremontenv.com; Fremont.Distribution.Lis

Sample ID/Description	Date Sampled	Time Sampled	# of Containers	Preservative			Matrix		Analyte	Sample Instructions
				Unpreserved	HCl	HNO ₃	Other	Groundwater		
F103 FI (2)			2	X					X	Full Table 915-1
F103 FI			2	X					X	
F103 FI			2	X					X	
E02 WA 3 FI (2)			2	X					X	

Requested By: *Adam Sullis*
 Date: 3/11/25
 Time: 10:35
 Received By: *NJM*
 Date: 03/12/25
 Time: 17:18

Requested By: *W*
 Date: 03/12/25
 Time: 17:15

5.0 Lics ✓
 Date Results Needed: [Redacted]

Turnaround Time:
 Some Day 48 Hr 24 Hr 72 Hr 10

Origins Laboratory

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

ORIGINS LABORATORY

Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Ethan Black
 Project Number: C023-036
 Project: Noble - Patriot B16-20

1725 Elk Place | Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

ORIGINS

LABORATORY, INC

ESCOUS

www.originslaboratory.com

page 1 of 2

Client: Fremont Environmental
 Address: _____
 Project Manager: Ethan Black
 Project Name: Noble - Patriot B16-20 (Backgrounds)
 Project Number: C023-036
 Telephone Number: _____
 Email Address: jordan@originslab.com, Fremont.Distribution@originslab.com
 Samples Collected By: Jordan Sullins

Sample ID/Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix		Analysis	Sample Instructions
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil		
20 BKG 13 FI			2	X							
20 BKG 23 FI			2	X							
20 BKG 33 FI			2	X							
20 BKG 43 FI			2	X							
20 BKG 53 FI			2	X							

Relinquished By: *Anna Sullins* Date: 03/12/25 Time: 10:35
 Relinquished By: *JK* Date: 03/12/25 Time: 16:00
 Received By: *NLM* Date: 03/12/25 Time: 17:18
 Date Results Needed: _____

Origins Laboratory

EHO

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

ORIGINS LABORATORY

Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Ethan Black
 Project Number: C023-036
 Project: Noble - Patriot B16-20

Origins Laboratory
 Sample Receipt Checklist
 Effective Date: 01/09/12
 F-012207-01-R1

Origins Work Order: FSC0456
 Client: Fremont
 Client Project ID: Patriot B16

Checklist Completed by: EHO
 Date/time completed: 3/13/23
 Shipped Via: HO
 Airbill #: N/A
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)

Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____
 Cooler Number/Temperature: 15.1 °C 1 °C 1 °C (Describe) _____ °C
 Thermometer ID: 1007

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>NO SAMPLE DATES ON BOTTLES</u>
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>3 extra samples</u>
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>JB</u>
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analytes, in order to insure sample integrity) (pH <2 for samples preserved with HNO3, HCL, H2SO4) / (pH >10 for samples preserved with NaAsO2+NaOH, ZnAc+NaOH)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Additional Comments (if any):	<u>2 extra extra samples received 3/13/23</u> <u>no extra samples received 3/13/23</u>			

⁽¹⁾ If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager): AV
 Date/Time Reviewed: 3/17/23

Origins Laboratory

EHO

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

Fremont Environmental
8305 6th St, PO Box 1289
Wellington CO 80549

Ethan Black
Project Number: C023-036
Project: Noble - Patriot B16-20

FL01 3ft (2)

3/12/2025 12:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0456-01 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.276		0.100	mg/L	1	B5C1484	03/14/2025	03/18/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5C1847	03/18/2025	03/21/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	72.4 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5C1450	03/14/2025	03/18/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	105 %			70-130		"	"	"	
Surrogate: Toluene-d8	87.5 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	98.0 %			70-130		"	"	"	

Origins Laboratory



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

Fremont Environmental
8305 6th St, PO Box 1289
Wellington CO 80549

Ethan Black
Project Number: C023-036
Project: Noble - Patriot B16-20

FL01 3ft (2)

3/12/2025 12:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

**E5C0456-01 (Soil)
Origins Laboratory**

Metals by Saturated Paste by EPA 6010

Calcium	2.19		0.499	meq/L	10	[CALC]	03/17/2025	03/20/2025	
Magnesium	1.29		0.823	"	"	"	"	"	
Sodium	0.528		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.35			pH Units	1	B5C1727	03/17/2025	03/19/2025	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	0.400		0.0100	SAR	1	B5C1721	03/17/2025	03/20/2025	
-----	-------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.444		0.00500	mmhos/cm	1	B5C1727	03/17/2025	03/19/2025	
---------------------------	-------	--	---------	----------	---	---------	------------	------------	--

Table 915 metals by EPA 6020B

Arsenic	3.53		0.274	mg/kg	10	B5C1505	03/15/2025	03/17/2025	
Barium	85.0		9.45	"	"	"	"	"	
Cadmium	0.198		0.0945	"	"	"	"	"	
Copper	10.2		9.45	"	"	"	"	"	
Lead	10.4		0.945	"	"	"	"	"	
Nickel	6.95		0.945	"	"	"	"	"	
Selenium	ND		0.246	"	"	"	"	"	

Origins Laboratory

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

Fremont Environmental
8305 6th St, PO Box 1289
Wellington CO 80549

Ethan Black
Project Number: C023-036
Project: Noble - Patriot B16-20

FL01 3ft (2)

3/12/2025 12:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

**E5C0456-01 (Soil)
Origins Laboratory**

Table 915 metals by EPA 6020B

Silver	ND		0.0945	mg/kg	10	B5C1505	03/15/2025	03/17/2025	
Zinc	42.6		35.0	"	"	"	"	"	

Waypoint Analytical, LLC.

PAH by 8270D

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L806944	03/24/2025	03/26/2025	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"	
Fluorene	ND	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	

Origins Laboratory



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



Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Ethan Black
 Project Number: C023-036
 Project: Noble - Patriot B16-20

FL01 3ft (2)
3/12/2025 12:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0456-01 (Soil)									
Waypoint Analytical, LLC.									
PAH by 8270D									
Naphthalene	ND	0.00145	0.00201	mg/Kg	1	L806944	03/24/2025	03/26/2025	
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	
Surrogate: 2-Fluorobiphenyl	34.3 %				33-115	"	"	"	
Surrogate: 4-Terphenyl-d14	36.8 %				33-122	"	"	"	
Surrogate: Nitrobenzene-d5	36.5 %				29-110	"	"	"	
Total Metals 7196A									
Chromium, Hexavalent	ND	0.5	0.5	mg/Kg	1	L808832	03/12/2025	04/02/2025	

Origins Laboratory

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

Fremont Environmental
8305 6th St, PO Box 1289
Wellington CO 80549

Ethan Black
Project Number: C023-036
Project: Noble - Patriot B16-20

FL02 3ft
3/12/2025 12:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0456-02 (Soil)									
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.772		0.102	mg/L	1	B5C1484	03/14/2025	03/18/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5C1847	03/18/2025	03/21/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: <i>o</i> -Terphenyl	66.2 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5C1450	03/14/2025	03/18/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	109 %			70-130		"	"	"	
Surrogate: Toluene-d8	87.6 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	98.8 %			70-130		"	"	"	

Origins Laboratory



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

Fremont Environmental
8305 6th St, PO Box 1289
Wellington CO 80549

Ethan Black
Project Number: C023-036
Project: Noble - Patriot B16-20

FL02 3ft
3/12/2025 12:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5C0456-02 (Soil)
Origins Laboratory

Metals by Saturated Paste by EPA 6010

Calcium	2.89	0.499	meq/L	10	[CALC]		03/17/2025	03/20/2025	
Magnesium	1.78	0.823	"	"	"	"	"	"	
Sodium	0.905	0.435	"	"	"	"	"	"	

pH in Soil by 9045D

pH	8.05		pH Units	1	B5C2023		03/20/2025	03/24/2025	
----	------	--	----------	---	---------	--	------------	------------	--

SAR by 20B Saturated Paste

SAR	0.593	0.0100	SAR	1	B5C1721		03/17/2025	03/20/2025	
-----	-------	--------	-----	---	---------	--	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.393	0.00500	mmhos/cm	1	B5D1652		04/16/2025	04/18/2025	
---------------------------	-------	---------	----------	---	---------	--	------------	------------	--

Table 915 metals by EPA 6020B

Arsenic	4.94	0.275	mg/kg	10	B5C1505		03/15/2025	03/17/2025	
Barium	121	9.50	"	"	"	"	"	"	
Cadmium	0.481	0.0950	"	"	"	"	"	"	
Copper	23.9	9.50	"	"	"	"	"	"	
Lead	22.8	0.950	"	"	"	"	"	"	
Nickel	10.8	0.950	"	"	"	"	"	"	
Selenium	0.346	0.247	"	"	"	"	"	"	

Origins Laboratory



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

Fremont Environmental
8305 6th St, PO Box 1289
Wellington CO 80549

Ethan Black
Project Number: C023-036
Project: Noble - Patriot B16-20

FL02 3ft
3/12/2025 12:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5C0456-02 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Silver	0.234		0.0950	mg/kg	10	B5C1505	03/15/2025	03/17/2025	
Zinc	99.2		35.1	"	"	"	"	"	

Waypoint Analytical, LLC.

PAH by 8270D

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L806944	03/24/2025	03/26/2025	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	0.0156	0.000304	0.00067	"	"	"	"	"	
Anthracene	0.042	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	0.134	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	0.0941	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	0.138	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	0.0523	0.000437	0.00067	"	"	"	"	"	
Chrysene	0.128	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	0.0168	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	0.278	0.000394	0.00067	"	"	"	"	"	
Fluorene	0.0191	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	0.055	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"	
Pyrene	0.222	0.000643	0.00067	"	"	"	"	"	

Origins Laboratory



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



Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Ethan Black
 Project Number: C023-036
 Project: Noble - Patriot B16-20

FL02 3ft

3/12/2025 12:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5C0456-02 (Soil)

Waypoint Analytical, LLC.

PAH by 8270D

Surrogate: 2-Fluorobiphenyl	47.9 %			33-115		L806944	03/24/2025	03/26/2025	
Surrogate: 4-Terphenyl-d14	69.7 %			33-122		"	"	"	
Surrogate: Nitrobenzene-d5	50.3 %			29-110		"	"	"	

Total Metals 7196A

Chromium, Hexavalent	ND	0.5	0.5	mg/Kg	1	L808832	03/12/2025	04/02/2025	
----------------------	----	-----	-----	-------	---	---------	------------	------------	--

Origins Laboratory

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

Fremont Environmental
8305 6th St, PO Box 1289
Wellington CO 80549

Ethan Black
Project Number: C023-036
Project: Noble - Patriot B16-20

FL05 3ft

3/12/2025 12:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0456-03 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.265		0.0993	mg/L	1	B5C1484	03/14/2025	03/18/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5C1847	03/18/2025	03/21/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	68.3 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5C1450	03/14/2025	03/18/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	109 %			70-130		"	"	"	
Surrogate: Toluene-d8	87.2 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	97.3 %			70-130		"	"	"	

Origins Laboratory



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

Fremont Environmental
8305 6th St, PO Box 1289
Wellington CO 80549

Ethan Black
Project Number: C023-036
Project: Noble - Patriot B16-20

FL05 3ft

3/12/2025 12:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

**E5C0456-03 (Soil)
Origins Laboratory**

Metals by Saturated Paste by EPA 6010

Calcium	0.998		0.499	meq/L	10	[CALC]	03/17/2025	03/20/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.746		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.41			pH Units	1	B5C1727	03/17/2025	03/19/2025	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	0.833		0.0100	SAR	1	B5C1721	03/17/2025	03/20/2025	
-----	-------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.224		0.00500	mmhos/cm	1	B5C1727	03/17/2025	03/19/2025	
---------------------------	-------	--	---------	----------	---	---------	------------	------------	--

Table 915 metals by EPA 6020B

Arsenic	3.97		0.277	mg/kg	10	B5C1505	03/15/2025	03/17/2025	
Barium	125		9.55	"	"	"	"	"	
Cadmium	0.0993		0.0955	"	"	"	"	"	
Copper	ND		9.55	"	"	"	"	"	
Lead	10.8		0.955	"	"	"	"	"	
Nickel	8.16		0.955	"	"	"	"	"	
Selenium	0.258		0.248	"	"	"	"	"	

Origins Laboratory



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

Fremont Environmental
8305 6th St, PO Box 1289
Wellington CO 80549

Ethan Black
Project Number: C023-036
Project: Noble - Patriot B16-20

FL05 3ft
3/12/2025 12:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5C0456-03 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Silver	ND		0.0955	mg/kg	10	B5C1505	03/15/2025	03/17/2025	
Zinc	53.5		35.3	"	"	"	"	"	

Waypoint Analytical, LLC.

PAH by 8270D

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L806944	03/24/2025	03/26/2025	
2-Methylnaphthalene	0.00214	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	0.00258	0.000304	0.00067	"	"	"	"	"	
Anthracene	0.00901	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	0.0243	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	0.018	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	0.0209	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	0.0108	0.000437	0.00067	"	"	"	"	"	
Chrysene	0.0403	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	0.00448	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	0.0325	0.000394	0.00067	"	"	"	"	"	
Fluorene	0.00353	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	0.0115	0.000627	0.00067	"	"	"	"	"	
Naphthalene	0.00674	0.00145	0.00201	"	"	"	"	"	
Pyrene	0.0289	0.000643	0.00067	"	"	"	"	"	

Origins Laboratory



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



Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Ethan Black
 Project Number: C023-036
 Project: Noble - Patriot B16-20

FL05 3ft

3/12/2025 12:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5C0456-03 (Soil)

Waypoint Analytical, LLC.

PAH by 8270D

Surrogate: 2-Fluorobiphenyl	36.1 %			33-115		L806944	03/24/2025	03/26/2025	
Surrogate: 4-Terphenyl-d14	35.2 %			33-122		"	"	"	
Surrogate: Nitrobenzene-d5	36.7 %			29-110		"	"	"	

Total Metals 7196A

Chromium, Hexavalent	ND	0.5	0.5	mg/Kg	1	L808832	03/12/2025	04/02/2025	
----------------------	----	-----	-----	-------	---	---------	------------	------------	--

Origins Laboratory

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

Fremont Environmental
8305 6th St, PO Box 1289
Wellington CO 80549

Ethan Black
Project Number: C023-036
Project: Noble - Patriot B16-20

E02 Wall 3ft (2)
3/12/2025 12:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5C0456-04 (Soil)
Origins Laboratory

Boron (DTPA Sorbitol)

Boron	0.112		0.102	mg/L	1	B5C1484	03/14/2025	03/18/2025	
-------	-------	--	-------	------	---	---------	------------	------------	--

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B5C1847	03/18/2025	03/21/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: <i>o</i> -Terphenyl	74.0 %				50-150	"	"	"	
--------------------------------	--------	--	--	--	--------	---	---	---	--

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5C1450	03/14/2025	03/18/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	105 %				70-130	"	"	"	
----------------------------------	-------	--	--	--	--------	---	---	---	--

Surrogate: Toluene-d8	87.5 %				70-130	"	"	"	
-----------------------	--------	--	--	--	--------	---	---	---	--

Surrogate: 4-Bromofluorobenzene	97.7 %				70-130	"	"	"	
---------------------------------	--------	--	--	--	--------	---	---	---	--

Origins Laboratory



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

Fremont Environmental
8305 6th St, PO Box 1289
Wellington CO 80549

Ethan Black
Project Number: C023-036
Project: Noble - Patriot B16-20

E02 Wall 3ft (2)
3/12/2025 12:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5C0456-04 (Soil)
Origins Laboratory

Metals by Saturated Paste by EPA 6010

Calcium	2.52	0.499	meq/L	10	[CALC]	03/17/2025	03/20/2025
Magnesium	1.65	0.823	"	"	"	"	"
Sodium	0.808	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	8.12		pH Units	1	B5C1727	03/17/2025	03/19/2025
----	------	--	----------	---	---------	------------	------------

SAR by 20B Saturated Paste

SAR	0.560	0.0100	SAR	1	B5C1721	03/17/2025	03/20/2025
-----	-------	--------	-----	---	---------	------------	------------

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.534	0.00500	mmhos/cm	1	B5C1727	03/17/2025	03/19/2025
---------------------------	-------	---------	----------	---	---------	------------	------------

Table 915 metals by EPA 6020B

Arsenic	1.14	0.280	mg/kg	10	B5C1505	03/15/2025	03/17/2025
Barium	32.1	9.65	"	"	"	"	"
Cadmium	ND	0.0965	"	"	"	"	"
Copper	ND	9.65	"	"	"	"	"
Lead	2.93	0.965	"	"	"	"	"
Nickel	2.76	0.965	"	"	"	"	"
Selenium	ND	0.251	"	"	"	"	"

Origins Laboratory



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

Fremont Environmental
8305 6th St, PO Box 1289
Wellington CO 80549

Ethan Black
Project Number: C023-036
Project: Noble - Patriot B16-20

E02 Wall 3ft (2)
3/12/2025 12:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5C0456-04 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Silver	ND		0.0965	mg/kg	10	B5C1505	03/15/2025	03/17/2025	
Zinc	ND		35.7	"	"	"	"	"	

Waypoint Analytical, LLC.

PAH by 8270D

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L806944	03/24/2025	03/26/2025	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	0.00103	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	0.00145	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	0.00199	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	0.000849	0.000437	0.00067	"	"	"	"	"	
Chrysene	0.0015	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	0.00165	0.000394	0.00067	"	"	"	"	"	
Fluorene	ND	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	0.00109	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"	

Origins Laboratory



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



Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Ethan Black
 Project Number: C023-036
 Project: Noble - Patriot B16-20

E02 Wall 3ft (2)
3/12/2025 12:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5C0456-04 (Soil)
Waypoint Analytical, LLC.

PAH by 8270D

Pyrene	0.00171	0.000643	0.00067	mg/Kg	1	L806944	03/24/2025	03/26/2025	
--------	---------	----------	---------	-------	---	---------	------------	------------	--

Surrogate: 2-Fluorobiphenyl	39.6 %			33-115		"	"	"	
Surrogate: 4-Terphenyl-d14	37.8 %			33-122		"	"	"	
Surrogate: Nitrobenzene-d5	31.5 %			29-110		"	"	"	

Total Metals 7196A

Chromium, Hexavalent	ND	0.5	0.5	mg/Kg	1	L808832	03/12/2025	04/02/2025	
----------------------	----	-----	-----	-------	---	---------	------------	------------	--

Origins Laboratory

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

Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Ethan Black
 Project Number: C023-036
 Project: Noble - Patriot B16-20

20 BKG 1 3Ft

3/12/2025 12:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0456-05 (Soil)									
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.795		0.0983	mg/L	1	B5C1484	03/14/2025	03/18/2025	
Metals by Saturated Paste by EPA 6010									
Calcium	0.832		0.499	meq/L	10	[CALC]	03/17/2025	03/20/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	2.04		0.435	"	"	"	"	"	
pH in Soil by 9045D									
pH	8.43			pH Units	1	B5C1727	03/17/2025	03/19/2025	
SAR by 20B Saturated Paste									
SAR	2.30		0.0100	SAR	1	B5C1721	03/17/2025	03/20/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	0.328		0.00500	mmhos/cm	1	B5C1727	03/17/2025	03/19/2025	
Table 915 metals by EPA 6020B									
Arsenic	4.20		0.248	mg/kg	10	B5C1505	03/15/2025	03/17/2025	
Barium	80.7		8.55	"	"	"	"	"	
Cadmium	0.0898		0.0855	"	"	"	"	"	
Copper	9.93		8.55	"	"	"	"	"	

Origins Laboratory

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



Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Ethan Black
 Project Number: C023-036
 Project: Noble - Patriot B16-20

20 BKG 1 3Ft

3/12/2025 12:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

**E5C0456-05 (Soil)
 Origins Laboratory**

Table 915 metals by EPA 6020B

Lead	9.34	0.855	0.855	mg/kg	10	B5C1505	03/15/2025	03/17/2025	
Nickel	8.75	0.855	0.855	"	"	"	"	"	
Selenium	0.253	0.222	0.222	"	"	"	"	"	
Silver	0.0924	0.0855	0.0855	"	"	"	"	"	
Zinc	49.1	31.7	31.7	"	"	"	"	"	

Waypoint Analytical, LLC.

Total Metals 7196A

Chromium, Hexavalent	ND	0.5	0.5	mg/Kg	1	L809267	03/12/2025	04/03/2025	
----------------------	----	-----	-----	-------	---	---------	------------	------------	--

Origins Laboratory

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

Fremont Environmental
8305 6th St, PO Box 1289
Wellington CO 80549

Ethan Black
Project Number: C023-036
Project: Noble - Patriot B16-20

20 BKG 2 3Ft

3/12/2025 12:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0456-06 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.266		0.100	mg/L	1	B5C1484	03/14/2025	03/18/2025	
Metals by Saturated Paste by EPA 6010									
Calcium	1.91		0.499	meq/L	10	[CALC]	04/16/2025	04/21/2025	
Magnesium	1.13		0.823	"	"	"	"	"	
Sodium	0.569		0.435	"	"	"	"	"	
pH in Soil by 9045D									
pH	8.52			pH Units	1	B5C1727	03/17/2025	03/19/2025	
SAR by 20B Saturated Paste									
SAR	0.461		0.0100	SAR	1	B5D1611	04/16/2025	04/21/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	0.457		0.00500	mmhos/cm	1	B5C1727	03/17/2025	03/19/2025	
Table 915 metals by EPA 6020B									
Arsenic	3.00		0.264	mg/kg	10	B5C1505	03/15/2025	03/17/2025	
Barium	107		9.11	"	"	"	"	"	
Cadmium	0.162		0.0911	"	"	"	"	"	
Copper	ND		9.11	"	"	"	"	"	

Origins Laboratory

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



Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Ethan Black
 Project Number: C023-036
 Project: Noble - Patriot B16-20

20 BKG 2 3Ft

3/12/2025 12:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

**E5C0456-06 (Soil)
 Origins Laboratory**

Table 915 metals by EPA 6020B

Lead	7.12		0.911	mg/kg	10	B5C1505	03/15/2025	03/17/2025	
Nickel	6.38		0.911	"	"	"	"	"	
Selenium	ND		0.237	"	"	"	"	"	
Silver	ND		0.0911	"	"	"	"	"	
Zinc	ND		33.7	"	"	"	"	"	

Waypoint Analytical, LLC.

Total Metals 7196A

Chromium, Hexavalent	ND	0.5	0.5	mg/Kg	1	L809267	03/12/2025	04/03/2025	
----------------------	----	-----	-----	-------	---	---------	------------	------------	--

Origins Laboratory

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

Fremont Environmental
8305 6th St, PO Box 1289
Wellington CO 80549

Ethan Black
Project Number: C023-036
Project: Noble - Patriot B16-20

20 BKG 3 3Ft

3/12/2025 12:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

**E5C0456-07 (Soil)
Origins Laboratory**

Boron (DTPA Sorbitol)

Boron	0.250		0.101	mg/L	1	B5C1484	03/14/2025	03/18/2025	
-------	-------	--	-------	------	---	---------	------------	------------	--

Metals by Saturated Paste by EPA 6010

Calcium	0.547		0.499	meq/L	10	[CALC]	03/17/2025	03/20/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	1.39		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.42			pH Units	1	B5C1727	03/17/2025	03/19/2025	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	2.06		0.0100	SAR	1	B5C1721	03/17/2025	03/20/2025	
-----	------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.217		0.00500	mmhos/cm	1	B5C1727	03/17/2025	03/19/2025	
---------------------------	-------	--	---------	----------	---	---------	------------	------------	--

Table 915 metals by EPA 6020B

Arsenic	3.01		0.279	mg/kg	10	B5C1505	03/15/2025	03/17/2025	
Barium	78.1		9.64	"	"	"	"	"	
Cadmium	0.121		0.0964	"	"	"	"	"	
Copper	ND		9.64	"	"	"	"	"	

Origins Laboratory



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



Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Ethan Black
 Project Number: C023-036
 Project: Noble - Patriot B16-20

20 BKG 3 3Ft

3/12/2025 12:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5C0456-07 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Lead	7.33	0.964	0.964	mg/kg	10	B5C1505	03/15/2025	03/17/2025	
Nickel	7.67	0.964	0.964	"	"	"	"	"	
Selenium	ND	0.251	0.251	"	"	"	"	"	
Silver	ND	0.0964	0.0964	"	"	"	"	"	
Zinc	37.8	35.7	35.7	"	"	"	"	"	

Waypoint Analytical, LLC.

Total Metals 7196A

Chromium, Hexavalent	ND	0.5	0.5	mg/Kg	1	L809267	03/12/2025	04/03/2025	
----------------------	----	-----	-----	-------	---	---------	------------	------------	--

Origins Laboratory

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

Fremont Environmental
8305 6th St, PO Box 1289
Wellington CO 80549

Ethan Black
Project Number: C023-036
Project: Noble - Patriot B16-20

20 BKG 4 3Ft

3/12/2025 12:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0456-08 (Soil)									
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.693		0.101	mg/L	1	B5C1484	03/14/2025	03/18/2025	
Metals by Saturated Paste by EPA 6010									
Calcium	1.47		0.499	meq/L	10	[CALC]	03/17/2025	03/20/2025	
Magnesium	0.995		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	
pH in Soil by 9045D									
pH	8.11			pH Units	1	B5C1727	03/17/2025	03/19/2025	
SAR by 20B Saturated Paste									
SAR	0.386		0.0100	SAR	1	B5C1721	03/17/2025	03/20/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	0.296		0.00500	mmhos/cm	1	B5C1727	03/17/2025	03/19/2025	
Table 915 metals by EPA 6020B									
Arsenic	3.52		0.271	mg/kg	10	B5C1505	03/15/2025	03/17/2025	
Barium	107		9.33	"	"	"	"	"	
Cadmium	0.422		0.0933	"	"	"	"	"	
Copper	19.7		9.33	"	"	"	"	"	

Origins Laboratory

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



Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Ethan Black
 Project Number: C023-036
 Project: Noble - Patriot B16-20

20 BKG 4 3Ft
3/12/2025 12:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5C0456-08 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Lead	19.2	0.933	0.933	mg/kg	10	B5C1505	03/15/2025	03/17/2025	
Nickel	10.2	0.933	0.933	"	"	"	"	"	
Selenium	0.401	0.243	0.243	"	"	"	"	"	
Silver	0.156	0.0933	0.0933	"	"	"	"	"	
Zinc	87.2	34.5	34.5	"	"	"	"	"	

Waypoint Analytical, LLC.

Total Metals 7196A

Chromium, Hexavalent	ND	0.5	0.5	mg/Kg	1	L809267	03/12/2025	04/03/2025	
----------------------	----	-----	-----	-------	---	---------	------------	------------	--

Origins Laboratory

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

Fremont Environmental
8305 6th St, PO Box 1289
Wellington CO 80549

Ethan Black
Project Number: C023-036
Project: Noble - Patriot B16-20

20 BKG 5 3Ft

3/12/2025 12:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

**E5C0456-09 (Soil)
Origins Laboratory**

Boron (DTPA Sorbitol)

Boron	ND		0.0996	mg/L	1	B5C1484	03/14/2025	03/18/2025	
-------	----	--	--------	------	---	---------	------------	------------	--

Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	03/17/2025	03/20/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.610		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.66			pH Units	1	B5C1728	03/17/2025	03/19/2025	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	1.19		0.0100	SAR	1	B5C1722	03/17/2025	03/20/2025	
-----	------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.114		0.00500	mmhos/cm	1	B5C1728	03/17/2025	03/19/2025	
---------------------------	-------	--	---------	----------	---	---------	------------	------------	--

Table 915 metals by EPA 6020B

Arsenic	1.18		0.280	mg/kg	10	B5C1505	03/15/2025	03/17/2025	
Barium	20.0		9.65	"	"	"	"	"	
Cadmium	ND		0.0965	"	"	"	"	"	

Origins Laboratory

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



Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Ethan Black
 Project Number: C023-036
 Project: Noble - Patriot B16-20

20 BKG 5 3Ft

3/12/2025 12:00:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5C0456-09 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Copper	ND	9.65	mg/kg	10	B5C1505	03/15/2025	03/17/2025	
Lead	3.75	0.965	"	"	"	"	"	"
Nickel	1.93	0.965	"	"	"	"	"	"
Selenium	ND	0.251	"	"	"	"	"	"
Silver	ND	0.0965	"	"	"	"	"	"
Zinc	ND	35.7	"	"	"	"	"	"

Waypoint Analytical, LLC.

Total Metals 7196A

Chromium, Hexavalent	ND	0.5	0.5	mg/Kg	1	L809267	03/12/2025	04/03/2025	
----------------------	----	-----	-----	-------	---	---------	------------	------------	--

Origins Laboratory

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



Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Ethan Black
 Project Number: C023-036
 Project: Noble - Patriot B16-20

Classical Chemistry Parameters - Quality Control
Origins Laboratory

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

Batch B5C1484 - DTPA Sorbitol Preparation

Blank (B5C1484-BLK1)

Prepared: 03/14/2025 Analyzed: 03/18/2025

Boron ND 0.100 mg/L

Duplicate (B5C1484-DUP1)

Source: E5C0439-02

Prepared: 03/14/2025 Analyzed: 03/18/2025

Boron 0.173 0.101 mg/L 0.218 22.8 50

Batch B5C1721 - Saturated Paste Metals

Blank (B5C1721-BLK1)

Prepared: 03/17/2025 Analyzed: 03/20/2025

Calcium PPM ND 10.0 mg/L

SAR ND 0.0100 SAR

Magnesium PPM ND 10.0 mg/L

Sodium PPM ND 10.0 "

Duplicate (B5C1721-DUP1)

Source: E5C0451-07

Prepared: 03/17/2025 Analyzed: 03/20/2025

SAR ND 0.0100 SAR 1.36 200

Calcium PPM 41.1 10.0 mg/L 40.6 1.40 50

Magnesium PPM 10.0 10.0 " 9.70 3.05 50

Sodium PPM 38.4 10.0 " 37.2 3.18 50

Batch B5C1722 - Saturated Paste Metals

Blank (B5C1722-BLK1)

Prepared: 03/17/2025 Analyzed: 03/20/2025

SAR ND 0.0100 SAR

Calcium PPM ND 10.0 mg/L

Magnesium PPM ND 10.0 "

Sodium PPM ND 10.0 "

Origins Laboratory

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



Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Ethan Black
 Project Number: C023-036
 Project: Noble - Patriot B16-20

Classical Chemistry Parameters - Quality Control
Origins Laboratory

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

Batch B5C1722 - Saturated Paste Metals

Duplicate (B5C1722-DUP1)

Source: E5C0456-09

Prepared: 03/17/2025 Analyzed: 03/20/2025

SAR	ND	0.0100	SAR		1.19				200	
Calcium PPM	5.81	10.0	mg/L		6.75			15.0	50	
Magnesium PPM	2.13	10.0	"		2.27			6.36	50	
Sodium PPM	14.2	10.0	"		14.0			1.06	50	

Batch B5D1611 - Saturated Paste Metals

Blank (B5D1611-BLK1)

Prepared: 04/16/2025 Analyzed: 04/21/2025

Calcium PPM	ND	10.0	mg/L							
SAR	ND	0.0100	SAR							
Magnesium PPM	ND	10.0	mg/L							
Sodium PPM	ND	10.0	"							

Duplicate (B5D1611-DUP1)

Source: E5D0317-01

Prepared: 04/16/2025 Analyzed: 04/21/2025

SAR	ND	0.0100	SAR		2.03				200	
Calcium PPM	15.0	10.0	mg/L		14.6			2.98	50	
Magnesium PPM	8.81	10.0	"		8.96			1.69	50	
Sodium PPM	40.4	10.0	"		39.9			1.22	50	

Origins Laboratory

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



Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Ethan Black
 Project Number: C023-036
 Project: Noble - Patriot B16-20

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory

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

Batch B5C1847 - EPA 3550B

Blank (B5C1847-BLK1)

Prepared: 03/18/2025 Analyzed: 03/21/2025

Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U

Surrogate: o-Terphenyl 20 " 24.9 82.2 50-150

LCS (B5C1847-BS1)

Prepared: 03/18/2025 Analyzed: 03/21/2025

Diesel (C10-C28)	894	50.0	mg/kg	1000		89.4	70-130			
Residual Range Organics (C28-C40)	979	200	"	1000		97.9	70-130			

Surrogate: o-Terphenyl 54 " 49.8 109 50-150

Matrix Spike (B5C1847-MS1)

Source: E5C0451-01

Prepared: 03/18/2025 Analyzed: 03/21/2025

Diesel (C10-C28)	755	50.0	mg/kg	1000	ND	75.5	70-130			
Residual Range Organics (C28-C40)	828	200	"	1000	ND	82.8	70-130			

Surrogate: o-Terphenyl 48 " 49.8 96.1 50-150

Matrix Spike Dup (B5C1847-MSD1)

Source: E5C0451-01

Prepared: 03/18/2025 Analyzed: 03/21/2025

Diesel (C10-C28)	964	50.0	mg/kg	1000	ND	96.4	70-130	24.3	35	
Residual Range Organics (C28-C40)	1070	200	"	1000	ND	107	70-130	25.1	35	

Surrogate: o-Terphenyl 57 " 49.8 114 50-150

Origins Laboratory

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



Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Ethan Black
 Project Number: C023-036
 Project: Noble - Patriot B16-20

Metals by EPA 6000/7000 Series Methods - Quality Control
Origins Laboratory

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

Batch B5C1505 - EPA 3050B

Blank (B5C1505-BLK1)

Prepared: 03/15/2025 Analyzed: 03/17/2025

Arsenic	ND	0.290	mg/kg							
Barium	ND	10.0	"							
Cadmium	ND	0.100	"							
Copper	ND	10.0	"							
Lead	ND	1.00	"							
Nickel	ND	1.00	"							
Selenium	ND	0.260	"							
Silver	ND	0.100	"							
Zinc	ND	37.0	"							

LCS (B5C1505-BS1)

Prepared: 03/15/2025 Analyzed: 03/17/2025

Arsenic	5.11	0.290	mg/kg	5.00		102	80-120			
Barium	518	10.0	"	500		104	80-120			
Cadmium	4.81	0.100	"	5.00		96.2	80-120			
Copper	51.0	10.0	"	50.0		102	80-120			
Lead	4.83	1.00	"	5.00		96.6	80-120			
Nickel	5.61	1.00	"	5.00		112	80-120			
Selenium	5.39	0.260	"	5.00		108	80-120			
Silver	5.04	0.100	"	5.00		101	80-120			
Zinc	51.5	37.0	"	50.0		103	80-120			

Matrix Spike (B5C1505-MS1)

Source: E5C0454-01

Prepared: 03/15/2025 Analyzed: 03/17/2025

Arsenic	10.0	0.267	mg/kg	4.61	5.22	104	75-125			
Barium	661	9.22	"	461	132	115	75-125			
Cadmium	4.98	0.0922	"	4.61	0.205	104	75-125			
Copper	60.9	9.22	"	46.1	12.3	105	75-125			
Lead	19.0	0.922	"	4.61	9.48	207	75-125			QM-07

Origins Laboratory

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



Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Ethan Black
 Project Number: C023-036
 Project: Noble - Patriot B16-20

Metals by EPA 6000/7000 Series Methods - Quality Control
Origins Laboratory

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

Batch B5C1505 - EPA 3050B

Matrix Spike (B5C1505-MS1)

Source: E5C0454-01

Prepared: 03/15/2025 Analyzed: 03/17/2025

Nickel	20.9	0.922	mg/kg	4.61	15.0	128	75-125			QM-07
Selenium	4.92	0.240	"	4.61	0.275	101	75-125			
Silver	5.07	0.0922	"	4.61	0.0428	109	75-125			
Zinc	92.2	34.1	"	46.1	46.4	99.3	75-125			

Matrix Spike Dup (B5C1505-MSD1)

Source: E5C0454-01

Prepared: 03/15/2025 Analyzed: 03/17/2025

Arsenic	9.99	0.275	mg/kg	4.74	5.22	101	75-125	0.113	20	
Barium	639	9.47	"	474	132	107	75-125	3.42	20	
Cadmium	5.20	0.0947	"	4.74	0.205	105	75-125	4.25	20	
Copper	67.2	9.47	"	47.4	12.3	116	75-125	9.82	20	
Lead	16.2	0.947	"	4.74	9.48	142	75-125	16.0	20	QM-07
Nickel	20.3	0.947	"	4.74	15.0	110	75-125	3.23	20	
Selenium	4.97	0.246	"	4.74	0.275	99.2	75-125	1.20	20	
Silver	5.22	0.0947	"	4.74	0.0428	109	75-125	2.89	20	
Zinc	94.4	35.1	"	47.4	46.4	101	75-125	2.39	20	

Origins Laboratory

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



Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Ethan Black
 Project Number: C023-036
 Project: Noble - Patriot B16-20

Saturated Paste - Quality Control
Origins Laboratory

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

Batch B5C1727 - Saturated Paste pH/EC

Blank (B5C1727-BLK1)

Prepared: 03/17/2025 Analyzed: 03/19/2025

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B5C1727-DUP1)

Source: E5C0451-07

Prepared: 03/17/2025 Analyzed: 03/19/2025

Specific Conductance (EC) 0.482 0.00500 mmhos/cm 0.465 3.65 25

pH 8.14 pH Units 8.21 0.856 25

Batch B5C1728 - Saturated Paste pH/EC

Blank (B5C1728-BLK1)

Prepared: 03/17/2025 Analyzed: 03/19/2025

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B5C1728-DUP1)

Source: E5C0456-09

Prepared: 03/17/2025 Analyzed: 03/19/2025

Specific Conductance (EC) 0.121 0.00500 mmhos/cm 0.114 6.06 25

pH 8.42 pH Units 8.66 2.81 25

Batch B5C2023 - Saturated Paste pH/EC

Duplicate (B5C2023-DUP1)

Source: E5C0076-04

Prepared: 03/20/2025 Analyzed: 03/24/2025

pH 7.98 pH Units 8.06 0.998 25

Batch B5D1652 - Saturated Paste pH/EC

Blank (B5D1652-BLK1)

Prepared: 04/16/2025 Analyzed: 04/18/2025

Specific Conductance (EC) ND 0.00500 mmhos/cm

Origins Laboratory

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



Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Ethan Black
 Project Number: C023-036
 Project: Noble - Patriot B16-20

Saturated Paste - Quality Control
Origins Laboratory

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

Batch B5D1652 - Saturated Paste pH/EC

Duplicate (B5D1652-DUP1)

Source: E5D0315-13

Prepared: 04/16/2025 Analyzed: 04/18/2025

Specific Conductance (EC)	0.513	0.00500	mmhos/cm		0.463			10.3	25	
---------------------------	-------	---------	----------	--	-------	--	--	------	----	--

Origins Laboratory

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



Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Ethan Black
 Project Number: C023-036
 Project: Noble - Patriot B16-20

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory

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

Batch B5C1450 - EPA 5030 (soil)

Blank (B5C1450-BLK1)

Prepared: 03/14/2025 Analyzed: 03/17/2025

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U

Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125	98.2	70-130
Surrogate: Toluene-d8	0.11		"	0.125	88.6	70-130
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125	99.0	70-130

LCS (B5C1450-BS1)

Prepared: 03/14/2025 Analyzed: 03/17/2025

1,2,4-Trimethylbenzene	0.108	0.00200	mg/kg	0.100	108	70-130
1,3,5-Trimethylbenzene	0.104	0.00200	"	0.100	104	70-130
Benzene	0.106	0.00200	"	0.100	106	70-130
Ethylbenzene	0.0981	0.00200	"	0.100	98.1	70-130
Toluene	0.0969	0.00200	"	0.100	96.9	70-130
o-Xylene	0.105	0.00200	"	0.100	105	70-130
m,p-Xylene	0.198	0.00400	"	0.200	99.2	70-130
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125	100	70-130
Surrogate: Toluene-d8	0.11		"	0.125	87.6	70-130
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125	101	70-130

Matrix Spike (B5C1450-MS1)

Source: E5C0444-01

Prepared: 03/14/2025 Analyzed: 03/17/2025

1,2,4-Trimethylbenzene	0.115	0.00200	mg/kg	0.100	ND	115	70-130
1,3,5-Trimethylbenzene	0.115	0.00200	"	0.100	ND	115	70-130
Benzene	0.105	0.00200	"	0.100	ND	105	70-130

Origins Laboratory

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



Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Ethan Black
 Project Number: C023-036
 Project: Noble - Patriot B16-20

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory

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

Batch B5C1450 - EPA 5030 (soil)

Matrix Spike (B5C1450-MS1)		Source: E5C0444-01			Prepared: 03/14/2025 Analyzed: 03/17/2025					
Ethylbenzene	0.109	0.00200	mg/kg	0.100	ND	109	70-130			
Toluene	0.102	0.00200	"	0.100	ND	102	70-130			
o-Xylene	0.114	0.00200	"	0.100	ND	114	70-130			
m,p-Xylene	0.221	0.00400	"	0.200	ND	111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		88.1	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		92.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		102	70-130			

Matrix Spike Dup (B5C1450-MSD1)		Source: E5C0444-01			Prepared: 03/14/2025 Analyzed: 03/17/2025					
1,2,4-Trimethylbenzene	0.103	0.00200	mg/kg	0.100	ND	103	70-130	11.2	20	
1,3,5-Trimethylbenzene	0.102	0.00200	"	0.100	ND	102	70-130	12.1	20	
Benzene	0.101	0.00200	"	0.100	ND	101	70-130	3.70	20	
Ethylbenzene	0.0937	0.00200	"	0.100	ND	93.7	70-130	14.9	20	
Toluene	0.0979	0.00200	"	0.100	ND	97.9	70-130	4.06	20	
o-Xylene	0.102	0.00200	"	0.100	ND	102	70-130	11.6	20	
m,p-Xylene	0.190	0.00400	"	0.200	ND	94.8	70-130	15.4	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		98.9	70-130			
Surrogate: Toluene-d8	0.11		"	0.125		91.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		96.8	70-130			

Origins Laboratory

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



Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Ethan Black
 Project Number: C023-036
 Project: Noble - Patriot B16-20

PAH by 8270D - Quality Control
Waypoint Analytical, LLC.

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

Batch L806944 - 3550B

MSD (L 96051-MSD-L806944)

Source: 96051

Prepared: 03/24/2025 Analyzed: 03/26/2025

Naphthalene	0.0823	0.00201	mg/Kg	0.163	<0.00145	50.4	30-130	0.2	30	
1-Methylnaphthalene	0.117	0.00201	"	0.163	<0.00109	71.7	30-130	21.5	30	
Anthracene	0.0944	0.00067	"	0.163	<0.000334	57.9	30-130	1.2	30	
Acenaphthene	0.0904	0.00067	"	0.163	<0.000304	55.4	30-130	0.7	30	
Indeno(1,2,3-cd)pyrene	0.127	0.00067	"	0.163	<0.000627	77.9	30-130	1.5	30	
Benzo(a)anthracene	0.112	0.00067	"	0.163	<0.000493	68.7	30-130	3.5	30	
Benzo(a)pyrene	0.109	0.00067	"	0.163	<0.000468	66.8	30-130	1.8	30	
Benzo(b)fluoranthene	0.126	0.00067	"	0.163	<0.000585	77.3	30-130	2.4	30	
Benzo(k)fluoranthene	0.0999	0.00067	"	0.163	<0.000437	61.2	30-130	5	30	
2-Methylnaphthalene	0.0997	0.00201	"	0.163	<0.00194	61.1	30-130	3.6	30	
Fluorene	0.0989	0.00067	"	0.163	<0.000286	60.6	30-130	0.3	30	
Fluoranthene	0.101	0.00067	"	0.163	0.000481	61.6	30-130	0.9	30	
Dibenz(a,h)anthracene	0.125	0.00067	"	0.163	<0.000614	76.6	30-130	2.4	30	
Chrysene	0.102	0.00067	"	0.163	<0.000624	62.5	30-130	2.8	30	
Pyrene	0.0981	0.00067	"	0.163	<0.000643	60.1	30-130	3.5	30	

Surrogate: 4-Terphenyl-d14

72.6

%

0.326

219

72.6

33-122

Surrogate: Nitrobenzene-d5

43.5

"

0.326

194

43.5

29-110

Surrogate: 2-Fluorobiphenyl

73.3

"

0.326

188

73.3

33-115

MS (L 96051-MS-L806944)

Source: 96051

Prepared: 03/24/2025 Analyzed: 03/26/2025

Anthracene	0.0956	0.00067	mg/Kg	0.166	<0.000334	57.5	30-130			
Dibenz(a,h)anthracene	0.122	0.00067	"	0.166	<0.000614	73.4	30-130			
1-Methylnaphthalene	0.0942	0.00201	"	0.166	<0.00109	56.7	30-130			
2-Methylnaphthalene	0.0961	0.00201	"	0.166	<0.00194	57.8	30-130			
Acenaphthene	0.0897	0.00067	"	0.166	<0.000304	54	30-130			
Benzo(a)anthracene	0.116	0.00067	"	0.166	<0.000493	69.8	30-130			
Benzo(b)fluoranthene	0.123	0.00067	"	0.166	<0.000585	74	30-130			

Origins Laboratory

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



Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Ethan Black
 Project Number: C023-036
 Project: Noble - Patriot B16-20

PAH by 8270D - Quality Control
Waypoint Analytical, LLC.

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

Batch L806944 - 3550B

MS (L 96051-MS-L806944)		Source: 96051		Prepared: 03/24/2025 Analyzed: 03/26/2025						
Benzo(a)pyrene	0.111	0.00067	mg/Kg	0.166	<0.000468	66.8	30-130			
Chrysene	0.105	0.00067	"	0.166	<0.000624	63.2	30-130			
Pyrene	0.0947	0.00067	"	0.166	<0.000643	57	30-130			
Fluoranthene	0.102	0.00067	"	0.166	0.000481	61.1	30-130			
Fluorene	0.0992	0.00067	"	0.166	<0.000286	59.7	30-130			
Indeno(1,2,3-cd)pyrene	0.125	0.00067	"	0.166	<0.000627	75.3	30-130			
Naphthalene	0.0825	0.00201	"	0.166	<0.00145	49.6	30-130			
Benzo(k)fluoranthene	0.095	0.00067	"	0.166	<0.000437	57.2	30-130			
Surrogate: 2-Fluorobiphenyl	64.1		%	0.332	188	64.1	33-115			
Surrogate: 4-Terphenyl-d14	69.5		"	0.332	219	69.5	33-122			
Surrogate: Nitrobenzene-d5	53.9		"	0.332	194	53.9	29-110			

LCS (LCS-L806944)		Prepared: 03/24/2025 Analyzed: 03/26/2025								
Benzo(a)pyrene	0.125	0.00067	mg/Kg	0.167		74.8	30-130			
Chrysene	0.12	0.00067	"	0.167		71.8	30-130			
Dibenz(a,h)anthracene	0.146	0.00067	"	0.167		87.4	30-130			
Fluoranthene	0.12	0.00067	"	0.167		71.8	30-130			
Fluorene	0.112	0.00067	"	0.167		67	30-130			
Indeno(1,2,3-cd)pyrene	0.152	0.00067	"	0.167		91	30-130			
Naphthalene	0.103	0.00201	"	0.167		61.6	30-130			
Pyrene	0.116	0.00067	"	0.167		69.4	30-130			
Benzo(k)fluoranthene	0.113	0.00067	"	0.167		67.6	30-130			
Anthracene	0.108	0.00067	"	0.167		64.6	30-130			
Benzo(a)anthracene	0.129	0.00067	"	0.167		77.2	30-130			
Benzo(b)fluoranthene	0.142	0.00067	"	0.167		85	30-130			
1-Methylnaphthalene	0.129	0.00201	"	0.167		77.2	30-130			
2-Methylnaphthalene	0.119	0.00201	"	0.167		71.2	30-130			

Origins Laboratory

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



Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Ethan Black
 Project Number: C023-036
 Project: Noble - Patriot B16-20

PAH by 8270D - Quality Control
Waypoint Analytical, LLC.

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

Batch L806944 - 3550B

LCS (LCS-L806944)

Prepared: 03/24/2025 Analyzed: 03/26/2025

Acenaphthene	0.101	0.00067	mg/Kg	0.167		60.4	30-130			
Surrogate: Nitrobenzene-d5	65.4		%	0.333		65.4	29-110			
Surrogate: 2-Fluorobiphenyl	82.5		"	0.333		82.5	33-115			
Surrogate: 4-Terphenyl-d14	91.2		"	0.333		91.2	33-122			

LRB (LRB-L806944)

Prepared: 03/24/2025 Analyzed: 03/26/2025

Indeno(1,2,3-cd)pyrene	ND	0.00067	mg/Kg				-			
Naphthalene	ND	0.00201	"				-			
Anthracene	ND	0.00067	"				-			
Pyrene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00201	"				-			
Fluorene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00201	"				-			
Acenaphthene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Surrogate: Nitrobenzene-d5	65.4		%	0.333		65.4	29-110			
Surrogate: 2-Fluorobiphenyl	67.8		"	0.333		67.8	33-115			
Surrogate: 4-Terphenyl-d14	83.4		"	0.333		83.4	33-122			

Origins Laboratory

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



Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Ethan Black
 Project Number: C023-036
 Project: Noble - Patriot B16-20

**Total Metals 7196A - Quality Control
 Waypoint Analytical, LLC.**

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

Batch L808832 -

DUP (L 96125-DUP)

Source: 96125

Prepared: Analyzed: 04/02/2025

Chromium, Hexavalent	ND	0.5	mg/Kg		<0.500	-		0	20	
----------------------	----	-----	-------	--	--------	---	--	---	----	--

MS (L 96125-MS)

Source: 96125

Prepared: Analyzed: 04/02/2025

Chromium, Hexavalent	32.6	2.5	mg/Kg	39.2	< 0.244	83	75-125			
----------------------	------	-----	-------	------	---------	----	--------	--	--	--

LCS (LCS)

Prepared: Analyzed: 04/02/2025

Chromium, Hexavalent	6.58	0.5	mg/Kg	8		82	75-125			
----------------------	------	-----	-------	---	--	----	--------	--	--	--

LRB (LRB)

Prepared: Analyzed: 04/02/2025

Chromium, Hexavalent	ND	0.5	mg/Kg			-				
----------------------	----	-----	-------	--	--	---	--	--	--	--

Origins Laboratory

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



Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Ethan Black
 Project Number: C023-036
 Project: Noble - Patriot B16-20

**Total Metals 7196A - Quality Control
 Waypoint Analytical, LLC.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L809267 -										
DUP (L 96187-DUP)			Source: 96187			Prepared: Analyzed: 04/03/2025				
Chromium, Hexavalent	ND	0.5	mg/Kg		<0.500	-		12.2	20	
MS (L 96187-MS)			Source: 96187			Prepared: Analyzed: 04/03/2025				
Chromium, Hexavalent	33.4	2.58	mg/Kg	39.4	<1.26	85	75-125			
LCS (LCS)						Prepared: Analyzed: 04/03/2025				
Chromium, Hexavalent	6.31	0.5	mg/Kg	8		79	75-125			
LRB (LRB)						Prepared: Analyzed: 04/03/2025				
Chromium, Hexavalent	ND	0.5	mg/Kg			-				

Origins Laboratory

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



Fremont Environmental
8305 6th St, PO Box 1289
Wellington CO 80549

Ethan Black
Project Number: C023-036
Project: Noble - Patriot B16-20

Notes and Definitions

- U Sample is Non-Detect.
 - QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
 - ND Analyte NOT DETECTED at or above the reporting limit
 - RPD Relative Percent Difference
- All soil results are reported on a wet weight basis.

Origins Laboratory

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