



Eagle Environmental Consulting, LLC
Alfred Garraffa
8000 W 44th Ave

December 12, 2024

Wheat Ridge CO 80033

Project Name - Noble - CPC Ferguson Chewy
UPRC T5N-R64W-S23L01 TB

Project Number - [none]

Attached are your analytical results for Noble - CPC Ferguson Chewy UPRC T5N-R64W-S23L01 TB received by Origins Laboratory October 21, 2024. This project is associated with Origins project number E410678-01.

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



Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-01@0-2.5'	E410678-01	Soil	October 21, 2024 10:05	10/21/2024 15:29
SB-01@2.5-5'	E410678-02	Soil	October 21, 2024 10:05	10/21/2024 15:29
SB-01@5-7.5'	E410678-03	Soil	October 21, 2024 10:10	10/21/2024 15:29
SB-01@7.5-10'	E410678-04	Soil	October 21, 2024 10:10	10/21/2024 15:29
SB-01@17.5-20'	E410678-05	Soil	October 21, 2024 10:20	10/21/2024 15:29
SB-02@0-2.5'	E410678-06	Soil	October 21, 2024 10:40	10/21/2024 15:29
SB-02@2.5-5'	E410678-07	Soil	October 21, 2024 10:40	10/21/2024 15:29
SB-02@5-7.5'	E410678-08	Soil	October 21, 2024 10:45	10/21/2024 15:29
SB-02@7.5-10'	E410678-09	Soil	October 21, 2024 10:45	10/21/2024 15:29
SB-03@5-7.5'	E410678-10	Soil	October 21, 2024 10:58	10/21/2024 15:29
SB-03@7.5-10'	E410678-11	Soil	October 21, 2024 10:58	10/21/2024 15:29
SB-04@0-2.5'	E410678-12	Soil	October 21, 2024 11:05	10/21/2024 15:29
SB-04@2.5-5'	E410678-13	Soil	October 21, 2024 11:05	10/21/2024 15:29
SB-04@5-7.5'	E410678-14	Soil	October 21, 2024 11:08	10/21/2024 15:29

Origins Laboratory



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8000 W 44th Ave
Wheat Ridge CO 80033

Alfred Garraffa
Project Number: [none]
Project: Noble - CPC Ferguson Chewy UPRC
T5N-R64W-S23L01 TB

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-04@7.5-10'	E410678-15	Soil	October 21, 2024 11:08	10/21/2024 15:29
SB-05@0-2.5'	E410678-16	Soil	October 21, 2024 11:11	10/21/2024 15:29
SB-05@2.5-5'	E410678-17	Soil	October 21, 2024 11:11	10/21/2024 15:29
SB-05@5-7.5'	E410678-18	Soil	October 21, 2024 11:14	10/21/2024 15:29
SB-05@7.5-10'	E410678-19	Soil	October 21, 2024 11:14	10/21/2024 15:29
SB-06@0-2.5'	E410678-20	Soil	October 21, 2024 12:26	10/21/2024 15:29
SB-06@2.5-5'	E410678-21	Soil	October 21, 2024 12:26	10/21/2024 15:29
SB-07@0-2.5'	E410678-22	Soil	October 21, 2024 12:35	10/21/2024 15:29
SB-07@2.5-5'	E410678-23	Soil	October 21, 2024 12:35	10/21/2024 15:29
SB-08@0-2.5'	E410678-24	Soil	October 21, 2024 12:29	10/21/2024 15:29
SB-08@2.5-5'	E410678-25	Soil	October 21, 2024 12:29	10/21/2024 15:29
SB-09@0-2.5'	E410678-26	Soil	October 21, 2024 12:23	10/21/2024 15:29
SB-09@2.5-5'	E410678-27	Soil	October 21, 2024 12:23	10/21/2024 15:29
SB-10@0-2.5'	E410678-28	Soil	October 21, 2024 12:19	10/21/2024 15:29

Origins Laboratory

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Jordan A. Bynon, Project Manager

Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-10@2.5-5'	E410678-29	Soil	October 21, 2024 12:19	10/21/2024 15:29
SB-11@5-7.5'	E410678-30	Soil	October 21, 2024 12:15	10/21/2024 15:29
SB-11@7.5-10'	E410678-31	Soil	October 21, 2024 12:15	10/21/2024 15:29
SB-12@5-7.5'	E410678-32	Soil	October 21, 2024 12:08	10/21/2024 15:29
SB-12@7.5-10'	E410678-33	Soil	October 21, 2024 12:08	10/21/2024 15:29
SB-13@5-7.5'	E410678-34	Soil	October 21, 2024 12:00	10/21/2024 15:29
SB-13@7.5-10'	E410678-35	Soil	October 21, 2024 12:00	10/21/2024 15:29
SB-14@5-7.5'	E410678-36	Soil	October 21, 2024 11:53	10/21/2024 15:29
SB-14@7.5-10'	E410678-37	Soil	October 21, 2024 11:53	10/21/2024 15:29

Origins Laboratory



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

ORIGINS
 LABORATORY INC

ORIGINS WORK ORDER #

E410678

Page 1 of 4

Client: Eagle Environmental Consulting
 Address: 8000 W 44th Ave

Project Manager: Alfred Garraffa
 Key:

Telephone Number: 303-433-0474
 Email Address: garraffa@eagle-environment.com

Project Name: CPC Ferguson Chewy UPRC
 Project Number: 513101
 M=Water
 GW=Groundwater

Collected By: JAL/EG
 Invoice/Billing Info: Mike Ball to Dan

SW=Surface Water
 WW=Waste Water
 L=Liquid

S=Soil | SO=Soil | O=Oil | A=Air | G=Gas | UN=Unknown | HCL=Hydrochloric | HNO3=Nitric | H2SO4=Sulfuric | NaOH=Sodium Hydroxide

#	Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix Preservative	Analysis										Comments	
						P	B	EC	TOC	SAE	PH	TH	TH	TH	TH		TH
1	SB-01-E-25'	10/21/14	1605	2	UNP	X	X	X	X	X	X	X	X	X	X	X	EC SAE PH
2	SB-01-E-25'	10/05	1605	2	UNP	X	X	X	X	X	X	X	X	X	X	X	EC SAE PH
3	SB-01-E-75'	10/10	1610	3	UNP	X	X	X	X	X	X	X	X	X	X	X	Technical note prep
4	SB-01-E-75'	10/10	1610	3	UNP	X	X	X	X	X	X	X	X	X	X	X	Technical note prep
5	SB-01-E-175-20'	10/20	1620	3	UNP	X	X	X	X	X	X	X	X	X	X	X	MDG received
6	SB-01-E-0-25'	10/10	1610	2	UNP	X	X	X	X	X	X	X	X	X	X	X	
7	SB-01-E-25'	10/10	1610	2	UNP	X	X	X	X	X	X	X	X	X	X	X	
8	SB-01-E-75'	10/15	1615	3	UNP	X	X	X	X	X	X	X	X	X	X	X	
9	SB-01-E-75-10'	10/15	1615	3	UNP	X	X	X	X	X	X	X	X	X	X	X	
10	SB-01-E-75-15'	10/15	1615	3	UNP	X	X	X	X	X	X	X	X	X	X	X	

Relinquished By: Alfred Garraffa Date: 10/21/14 Time: 1529
 Received By: JAL Date: 10/21/24 Time: 1529
 Turnaround Time: SAME DAY 24 Hr 48 Hr 72 Hr
 Standard
 Temp Received: 3.1 Received On Ice? Yes No

Origins Laboratory

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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

ORIGINS

LABORATORY INC

ORIGINS WORK ORDER #

6410698

Page 3 of 4

Client: Eagle Environmental Consulting
 Address: 8000 W 44th Ave
Wheat Ridge CO 80033
 Project Manager: Alfred Garraffa
 Project Name: CPC Ferguson Chewy UPRC
T5N-R64W-S23L01 Tank Battery
 Key: W=Water
GW=Groundwater
SW=Surface Water
WW=Waste Water
I=Liquid
 Telephone Number: 303-473-0479
 Collected By: E6/IM
 Email Address: algarraffa@eagle-env.com
 Invoice/Billing Info: Noble / Bill to Us

S=Soil | SO=Solid | O=Oil | A=Air | G=Gas | UWP=Unpres | HCL=Hydrochloric | HNO3=Nitric | H2SO4=Sulfuric | NaOH=Sodium Hydroxide

#	Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix Preservation	Analysis		Comments	
						EC	TOC		
1	SB-06E2.5'	10/21/24	1226	2	S	UWP	X	X	EC=2.01
2	SB-07E2.5'	10/21/24	1235	2	S	UWP	X	X	EC=2.01
3	SB-08E2.5'	10/21/24	1235	2	S	UWP	X	X	EC=2.01
4	SB-09E2.5'	10/21/24	1224	2	S	UWP	X	X	EC=2.01
5	SB-08E2.5'	10/21/24	1224	2	S	UWP	X	X	EC=2.01
6	SB-08E2.5'	10/21/24	1225	2	S	UWP	X	X	EC=2.01
7	SB-08E2.5'	10/21/24	1225	2	S	UWP	X	X	EC=2.01
8	SB-10E2.5'	10/21/24	1219	2	S	UWP	X	X	EC=2.01
9	SB-10E2.5'	10/21/24	1219	2	S	UWP	X	X	EC=2.01
10	SB-11E5.75'	10/21/24	1215	2	S	UWP	X	X	EC=2.01

Relinquished By: [Signature] Date: 10/21/24 Time: 5:29
 Received By: [Signature] Date: 10/21/24 Time: 15:29
 Turnaround Time: SAME DAY 24 Hr 48 Hr 72 Hr
 Standard
 Temp. Received - 3.1 Received On Ice? Yes No

Origins Laboratory

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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

ORIGINS

LABORATORY INC

ORIGINS WORK ORDER #

6410678

Page 1 of 1

Client: Eagle Environmental Consulting

Project Manager: Alfred Garraffa

Key:

Address: 2000 W 9th Ave

Project Name: CPC Ferguson Chewy UPRC

W= Water

Telephone Number: 303-433-0479

Project Number: _____

GW=Groundwater

Email Address: agarraffeagleenv.com

Collected By: EG/TM

SW=Surface Water

Invoice/Billing Info: Noble Bill to Dan

Temp Received: 3 | Received On Ice? Yes No

WW=Waste Water

S=Soil | SQ=Solid | O=Oil | A=Air | G=Gas | U=Uppress | HCl=Hydrochloric | HNO3=Nitric | H2SO4=Sulfuric | NaOH=Sodium Hydroxide

#	Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix Preservative	Analysis		Comments	
						Begin - DTGA/Buffered	End		
1	SB-14E 75-10'	10/12/24	1215	2	USP	X	X	X	ES/SP/ML: 62 10/20/24 15 20B PH 404SD
2	SB-12E 5-7.5'		1208			X	X	X	Filtered pink prep
3	SB-14E 75-10'		1208			X	X	X	ES/MLs noted
4	SB-5E 5-7.5'		1200			X	X	X	
5	SB-5E 75-10'		1153			X	X	X	
6	SB-14E 5-7.5'		1153			X	X	X	
7	SB-14E 75-10'		1153			X	X	X	
8									
9									
10									

Relinquished By: [Signature] Date: 10/21/24 Time: 1529

Received By: [Signature] Date: 10/21/24 Time: 1529

Turnaround Time: SAME DAY 24 Hr 48 Hr 72 Hr

1725 Elk Place Denver, CO 80221 | # 303.433.1322 | originslab.com

Temp Received: 3 | Received On Ice? Yes No

Origins Laboratory

[Signature]

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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

Origins Laboratory

Sample Receipt Checklist

F-012207-01-R1
 Effective Date: 01/09/12

Origins Work Order: E4110678

Client: Eagle

Client Project ID: Ferguson

Checklist Completed by: AJD KK

Shipped Via: HO
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 10/23/24

Airbill #: N/A

Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____

Cooler Number/Temperature: 1131 °C / _____ °C / _____ °C (Describe) _____ °C

Thermometer ID: 1004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	/			
Is there ice present (document if blue ice is used)	/			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		/		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		/		
Were all samples received intact ⁽¹⁾ ?	/			
Was adequate sample volume provided ⁽¹⁾ ?	/			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		/		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	/			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	/			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	/			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	/			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			/	
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 analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCl, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)			/	
Additional Comments (if any):				

⁽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 [Signature] (Project Manager)

10/23/24
 Date/Time Reviewed

Origins Laboratory

[Signature]

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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-01@0-2.5'

10/21/2024 10:05:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E410678-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.305		0.100	mg/L	1	B4J2412	10/24/2024	10/25/2024	
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Metals by Saturated Paste by EPA 6010

Calcium	2.81		0.499	meq/L	10	[CALC]	10/25/2024	10/28/2024	
Magnesium	1.18		0.823	"	"	"	"	"	
Sodium	0.704		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.62			pH Units	1	B4J2523	10/25/2024	10/26/2024	
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SAR by 20B Saturated Paste

SAR	0.499		0.0100	SAR	1	B4J2508	10/25/2024	10/28/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.554		0.00500	mmhos/cm	1	B4J2523	10/25/2024	10/26/2024	
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Origins Laboratory

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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-01@2.5-5'

10/21/2024 10:05:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
 E410678-02 (Soil)**

Boron (DTPA Sorbitol)

Boron	ND		0.100	mg/L	1	B4J2412	10/24/2024	10/25/2024	
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Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	10/25/2024	10/28/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	6.71			pH Units	1	B4J2523	10/25/2024	10/26/2024	
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SAR by 20B Saturated Paste

SAR	0.208		0.0100	SAR	1	B4J2508	10/25/2024	10/28/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.0869		0.00500	mmhos/cm	1	B4J2523	10/25/2024	10/26/2024	
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Origins Laboratory



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Alfred Garraffa
Project Number: [none]
Project: Noble - CPC Ferguson Chewy UPRC
T5N-R64W-S23L01 TB

SB-01@5-7.5'

10/21/2024 10:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
E410678-03 (Soil)**

Boron (DTPA Sorbitol)

Boron	ND		0.0995	mg/L	1	B4J2412	10/24/2024	10/25/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4J2328	10/23/2024	10/24/2024	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: <i>o</i> -Terphenyl	84.5 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4J2439	10/24/2024	10/28/2024	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Naphthalene	ND		0.00380	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua

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 8000 W 44th Ave
 Wheat Ridge CO 80033

Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-01@5-7.5'

10/21/2024 10:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E410678-03 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	115 %	70-130	B4J24 39	10/24/2024	10/28/2024
Surrogate: Toluene-d8	99.2 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	97.3 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	10	[CALC]	10/25/2024	10/28/2024
Magnesium	ND	0.823	"	"	"	"	"
Sodium	ND	0.435	"	"	"	"	"

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4J2343	10/23/2024	10/25/2024	Ua
2-Methylnaphthalene	ND	0.002	"	"	"	"	"	Ua
Acenaphthene	ND	0.020	"	"	"	"	"	Ua
Anthracene	ND	0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	ND	0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND	0.020	"	"	"	"	"	Ua
Benzo (b) fluoranthene	ND	0.020	"	"	"	"	"	Ua
Benzo (k) fluoranthene	ND	0.020	"	"	"	"	"	Ua
Chrysene	ND	0.020	"	"	"	"	"	Ua
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	Ua

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8000 W 44th Ave
Wheat Ridge CO 80033

Alfred Garraffa
Project Number: [none]
Project: Noble - CPC Ferguson Chewy UPRC
T5N-R64W-S23L01 TB

SB-01@5-7.5'

10/21/2024 10:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
E410678-03 (Soil)**

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND		0.020	mg/kg	1	B4J2343	10/23/2024	10/25/2024	Ua
Fluorene	ND		0.020	"	"	"	"	"	Ua
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	Ua
Naphthalene	ND		0.002	"	"	"	"	"	Ua
Pyrene	ND		0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	98.6 %		60-130			"	"	"	
Surrogate: Anthracene-d10	82.6 %		60-130			"	"	"	
Surrogate: Pyrene-d10	107 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	99.2 %		60-130			"	"	"	

pH in Soil by 9045D

pH	7.40			pH Units	1	B4J2523	10/25/2024	10/26/2024	
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SAR by 20B Saturated Paste

SAR	0.207		0.0100	SAR	1	B4J2508	10/25/2024	10/28/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.0357		0.00500	mmhos/cm	1	B4J2523	10/25/2024	10/26/2024	
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Origins Laboratory



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-01@5-7.5'

10/21/2024 10:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E410678-03 (Soil)

Table 915 metals by EPA 6020B

Arsenic	1.42		0.257	mg/kg	10	B4J2236	10/22/2024	10/25/2024	
Barium	43.1		8.86	"	"	"	"	"	
Cadmium	ND		0.0886	"	"	"	"	"	
Copper	ND		8.86	"	"	"	"	"	
Lead	5.34		0.886	"	"	"	"	"	
Nickel	3.93		0.886	"	"	"	"	"	
Selenium	ND		0.230	"	"	"	"	"	
Silver	ND		0.0886	"	"	"	"	"	
Zinc	ND		32.8	"	"	"	"	"	

Total Metals 7196A

Hexavalent Chromium	ND	0.160	0.399	mg/kg dry	1	2698271	11/20/2024	11/22/2024	U
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Origins Laboratory



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 Wheat Ridge CO 80033

Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-01@7.5-10'

10/21/2024 10:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
 E410678-04 (Soil)**

Boron (DTPA Sorbitol)

Boron	ND		0.0997	mg/L	1	B4J2412	10/24/2024	10/25/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4J2328	10/23/2024	10/24/2024	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: <i>o</i> -Terphenyl	87.1 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4J2439	10/24/2024	10/28/2024	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Naphthalene	ND		0.00380	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua

Origins Laboratory



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 Wheat Ridge CO 80033

Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-01@7.5-10'

10/21/2024 10:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E410678-04 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	116 %		70-130			B4J24 39	10/24/2024	10/28/2024	
Surrogate: Toluene-d8	98.5 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	10/25/2024	10/28/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND		0.002	mg/kg	1	B4J2343	10/23/2024	10/25/2024	Ua
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	Ua
Acenaphthene	ND		0.020	"	"	"	"	"	Ua
Anthracene	ND		0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	Ua
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Chrysene	ND		0.020	"	"	"	"	"	Ua
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	Ua

Origins Laboratory



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8000 W 44th Ave
Wheat Ridge CO 80033

Alfred Garraffa
Project Number: [none]
Project: Noble - CPC Ferguson Chewy UPRC
T5N-R64W-S23L01 TB

SB-01@7.5-10'

10/21/2024 10:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
E410678-04 (Soil)**

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND		0.020	mg/kg	1	B4J2343	10/23/2024	10/25/2024	Ua
Fluorene	ND		0.020	"	"	"	"	"	Ua
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	Ua
Naphthalene	ND		0.002	"	"	"	"	"	Ua
Pyrene	ND		0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	109 %		60-130			"	"	"	
Surrogate: Anthracene-d10	86.0 %		60-130			"	"	"	
Surrogate: Pyrene-d10	104 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	97.9 %		60-130			"	"	"	

pH in Soil by 9045D

pH	7.44			pH Units	1	B4J2523	10/25/2024	10/26/2024	
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SAR by 20B Saturated Paste

SAR	0.202		0.0100	SAR	1	B4J2508	10/25/2024	10/28/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.0514		0.00500	mmhos/cm	1	B4J2523	10/25/2024	10/26/2024	
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Origins Laboratory



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Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-01@7.5-10'

10/21/2024 10:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
 E410678-04 (Soil)**

Table 915 metals by EPA 6020B

Arsenic	0.773		0.259	mg/kg	10	B4J2236	10/22/2024	10/25/2024	
Barium	19.7		8.93	"	"	"	"	"	
Cadmium	ND		0.0893	"	"	"	"	"	
Copper	ND		8.93	"	"	"	"	"	
Lead	3.42		0.893	"	"	"	"	"	
Nickel	2.16		0.893	"	"	"	"	"	
Selenium	ND		0.232	"	"	"	"	"	
Silver	ND		0.0893	"	"	"	"	"	
Zinc	ND		33.0	"	"	"	"	"	

Total Metals 7196A

Hexavalent Chromium	ND	0.0991	0.248	mg/kg dry	1	2698271	11/20/2024	11/22/2024	U
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Origins Laboratory



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 Wheat Ridge CO 80033

Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-01@17.5-20'
10/21/2024 10:20:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E410678-05 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.0990	mg/L	1	B4J2412	10/24/2024	10/25/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4J2328	10/23/2024	10/24/2024	Ua
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	Ua

Surrogate: <i>o</i> -Terphenyl	83.6 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4J2439	10/24/2024	10/28/2024	Ua
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	Ua
Benzene	ND	0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND	0.00200	"	"	"	"	"	Ua
Naphthalene	ND	0.00380	"	"	"	"	"	Ua
Toluene	ND	0.00200	"	"	"	"	"	Ua
Xylenes, total	ND	0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	Ua

Origins Laboratory



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 Wheat Ridge CO 80033

Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-01@17.5-20'

10/21/2024 10:20:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E410678-05 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	116 %	70-130	B4J24 39	10/24/2024	10/28/2024
Surrogate: Toluene-d8	98.2 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	101 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	10	[CALC]	10/25/2024	10/28/2024
Magnesium	ND	0.823	"	"	"	"	"
Sodium	ND	0.435	"	"	"	"	"

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4J2343	10/23/2024	10/25/2024	Ua
2-Methylnaphthalene	0.003	0.002	"	"	"	"	"	
Acenaphthene	ND	0.020	"	"	"	"	"	Ua
Anthracene	ND	0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	ND	0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND	0.020	"	"	"	"	"	Ua
Benzo (b) fluoranthene	ND	0.020	"	"	"	"	"	Ua
Benzo (k) fluoranthene	ND	0.020	"	"	"	"	"	Ua
Chrysene	ND	0.020	"	"	"	"	"	Ua
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	Ua

Origins Laboratory



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
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Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-01@17.5-20'

10/21/2024 10:20:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E410678-05 (Soil)

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND	0.020	mg/kg	1	B4J2343	10/23/2024	10/25/2024	Ua
Fluorene	ND	0.020	"	"	"	"	"	Ua
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	Ua
Naphthalene	ND	0.002	"	"	"	"	"	Ua
Pyrene	ND	0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	103 %	60-130	"	"	"	"	"
Surrogate: Anthracene-d10	80.9 %	60-130	"	"	"	"	"
Surrogate: Pyrene-d10	101 %	60-130	"	"	"	"	"
Surrogate: Benzo (a) pyrene-d12	96.5 %	60-130	"	"	"	"	"

pH in Soil by 9045D

pH	7.59	pH Units	1	B4J2523	10/25/2024	10/26/2024
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SAR by 20B Saturated Paste

SAR	0.388	0.0100	SAR	1	B4J2508	10/25/2024	10/28/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.0634	0.00500	mmhos/cm	1	B4J2523	10/25/2024	10/26/2024
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Origins Laboratory



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 8000 W 44th Ave
 Wheat Ridge CO 80033

Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-01@17.5-20'

10/21/2024 10:20:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
 E410678-05 (Soil)**

Table 915 metals by EPA 6020B

Arsenic	0.959		0.253	mg/kg	10	B4J2236	10/22/2024	10/25/2024	
Barium	39.5		8.72	"	"	"	"	"	
Cadmium	ND		0.0872	"	"	"	"	"	
Copper	ND		8.72	"	"	"	"	"	
Lead	3.12		0.872	"	"	"	"	"	
Nickel	2.88		0.872	"	"	"	"	"	
Selenium	ND		0.227	"	"	"	"	"	
Silver	ND		0.0872	"	"	"	"	"	
Zinc	ND		32.3	"	"	"	"	"	

Total Metals 7196A

Hexavalent Chromium	ND	0.0961	0.240	mg/kg dry	1	2698271	11/20/2024	11/22/2024	U
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Origins Laboratory



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 8000 W 44th Ave
 Wheat Ridge CO 80033

Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-02@0-2.5'

10/21/2024 10:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
 E410678-06 (Soil)**

Boron (DTPA Sorbitol)

Boron	0.181		0.0997	mg/L	1	B4J2412	10/24/2024	10/25/2024	
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Metals by Saturated Paste by EPA 6010

Calcium	1.44		0.499	meq/L	10	[CALC]	10/25/2024	10/28/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.98			pH Units	1	B4J2523	10/25/2024	10/26/2024	
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SAR by 20B Saturated Paste

SAR	0.415		0.0100	SAR	1	B4J2508	10/25/2024	10/28/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.302		0.00500	mmhos/cm	1	B4J2523	10/25/2024	10/26/2024	
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Origins Laboratory

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 8000 W 44th Ave
 Wheat Ridge CO 80033

Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-02@2.5-5'

10/21/2024 10:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
 E410678-07 (Soil)**

Boron (DTPA Sorbitol)

Boron	ND		0.101	mg/L	1	B4J2413	10/24/2024	10/25/2024	
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Metals by Saturated Paste by EPA 6010

Calcium	0.523		0.499	meq/L	10	[CALC]	10/25/2024	10/28/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.11			pH Units	1	B4J2523	10/25/2024	10/26/2024	
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SAR by 20B Saturated Paste

SAR	0.479		0.0100	SAR	1	B4J2508	10/25/2024	10/28/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.161		0.00500	mmhos/cm	1	B4J2523	10/25/2024	10/26/2024	
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Origins Laboratory

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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-02@5-7.5'

10/21/2024 10:45:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
 E410678-08 (Soil)**

Boron (DTPA Sorbitol)

Boron	ND		0.0987	mg/L	1	B4J2413	10/24/2024	10/25/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4J2328	10/23/2024	10/24/2024	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: <i>o</i> -Terphenyl	92.4 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4J2439	10/24/2024	10/28/2024	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Naphthalene	ND		0.00380	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua

Origins Laboratory



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-02@5-7.5'

10/21/2024 10:45:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E410678-08 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	117 %		70-130			B4J24 39	10/24/2024	10/28/2024	
Surrogate: Toluene-d8	100 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	100 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	10	[CALC]		10/25/2024	10/28/2024	
Magnesium	ND	0.823	"	"	"		"	"	
Sodium	ND	0.435	"	"	"		"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4J2343		10/23/2024	10/25/2024	Ua
2-Methylnaphthalene	ND	0.002	"	"	"		"	"	Ua
Acenaphthene	ND	0.020	"	"	"		"	"	Ua
Anthracene	ND	0.020	"	"	"		"	"	Ua
Benzo (a) anthracene	ND	0.005	"	"	"		"	"	Ua
Benzo (a) pyrene	ND	0.020	"	"	"		"	"	Ua
Benzo (b) fluoranthene	ND	0.020	"	"	"		"	"	Ua
Benzo (k) fluoranthene	ND	0.020	"	"	"		"	"	Ua
Chrysene	ND	0.020	"	"	"		"	"	Ua
Dibenz (a,h) anthracene	ND	0.020	"	"	"		"	"	Ua

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 Wheat Ridge CO 80033

Alfred Garraffa
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 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-02@5-7.5'

10/21/2024 10:45:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E410678-08 (Soil)

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND	0.020	mg/kg	1	B4J2343	10/23/2024	10/25/2024	Ua
Fluorene	ND	0.020	"	"	"	"	"	Ua
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	Ua
Naphthalene	ND	0.002	"	"	"	"	"	Ua
Pyrene	ND	0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	105 %	60-130	"	"	"	"	"
Surrogate: Anthracene-d10	90.0 %	60-130	"	"	"	"	"
Surrogate: Pyrene-d10	101 %	60-130	"	"	"	"	"
Surrogate: Benzo (a) pyrene-d12	99.4 %	60-130	"	"	"	"	"

pH in Soil by 9045D

pH	7.22	pH Units	1	B4J2523	10/25/2024	10/26/2024
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SAR by 20B Saturated Paste

SAR	0.646	0.0100	SAR	1	B4J2508	10/25/2024	10/28/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.156	0.00500	mmhos/cm	1	B4J2523	10/25/2024	10/26/2024
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Origins Laboratory



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Alfred Garraffa
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Project: Noble - CPC Ferguson Chewy UPRC
T5N-R64W-S23L01 TB

SB-02@5-7.5'

10/21/2024 10:45:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
E410678-08 (Soil)**

Table 915 metals by EPA 6020B

Arsenic	0.859		0.268	mg/kg	10	B4J2236	10/22/2024	10/25/2024	
Barium	37.0		9.23	"	"	"	"	"	
Cadmium	ND		0.0923	"	"	"	"	"	
Copper	ND		9.23	"	"	"	"	"	
Lead	4.09		0.923	"	"	"	"	"	
Nickel	2.74		0.923	"	"	"	"	"	
Selenium	ND		0.240	"	"	"	"	"	
Silver	ND		0.0923	"	"	"	"	"	
Zinc	ND		34.2	"	"	"	"	"	

Total Metals 7196A

Hexavalent Chromium	ND	0.132	0.329	mg/kg dry	1	2698271	11/20/2024	11/22/2024	U
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Origins Laboratory



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Alfred Garraffa
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T5N-R64W-S23L01 TB

SB-02@7.5-10'

10/21/2024 10:45:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
E410678-09 (Soil)**

Boron (DTPA Sorbitol)

Boron	ND		0.101	mg/L	1	B4J2413	10/24/2024	10/25/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4J2328	10/23/2024	10/24/2024	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: <i>o</i> -Terphenyl	83.8 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4J2439	10/24/2024	10/28/2024	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Naphthalene	ND		0.00380	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua

Origins Laboratory



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 Wheat Ridge CO 80033

Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-02@7.5-10'

10/21/2024 10:45:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E410678-09 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	117 %		70-130			B4J24 39	10/24/2024	10/28/2024	
Surrogate: Toluene-d8	99.1 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	99.6 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	10/25/2024	10/28/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.438		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND		0.002	mg/kg	1	B4J2343	10/23/2024	10/25/2024	Ua
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	Ua
Acenaphthene	ND		0.020	"	"	"	"	"	Ua
Anthracene	ND		0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	Ua
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Chrysene	ND		0.020	"	"	"	"	"	Ua
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	Ua

Origins Laboratory



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 Wheat Ridge CO 80033

Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-02@7.5-10'

10/21/2024 10:45:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E410678-09 (Soil)

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND		0.020	mg/kg	1	B4J2343	10/23/2024	10/25/2024	Ua
Fluorene	ND		0.020	"	"	"	"	"	Ua
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	Ua
Naphthalene	ND		0.002	"	"	"	"	"	Ua
Pyrene	ND		0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	117 %		60-130			"	"	"	
Surrogate: Anthracene-d10	81.4 %		60-130			"	"	"	
Surrogate: Pyrene-d10	109 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	96.8 %		60-130			"	"	"	

pH in Soil by 9045D

pH	7.47			pH Units	1	B4J2524	10/25/2024	10/26/2024	
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SAR by 20B Saturated Paste

SAR	0.797		0.0100	SAR	1	B4J2509	10/25/2024	10/28/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.150		0.00500	mmhos/cm	1	B4J2524	10/25/2024	10/26/2024	
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Origins Laboratory



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-02@7.5-10'

10/21/2024 10:45:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E410678-09 (Soil)

Table 915 metals by EPA 6020B

Arsenic	0.556		0.257	mg/kg	10	B4J2236	10/22/2024	10/25/2024	
Barium	24.8		8.85	"	"	"	"	"	
Cadmium	ND		0.0885	"	"	"	"	"	
Copper	ND		8.85	"	"	"	"	"	
Lead	2.47		0.885	"	"	"	"	"	
Nickel	1.74		0.885	"	"	"	"	"	
Selenium	ND		0.230	"	"	"	"	"	
Silver	ND		0.0885	"	"	"	"	"	
Zinc	ND		32.7	"	"	"	"	"	

Total Metals 7196A

Hexavalent Chromium	ND	0.107	0.268	mg/kg dry	1	2698271	11/20/2024	11/22/2024	U
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Origins Laboratory



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-03@5-7.5'

10/21/2024 10:58:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E410678-10 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.0992	mg/L	1	B4J2413	10/24/2024	10/25/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4J2328	10/23/2024	10/24/2024	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: <i>o</i> -Terphenyl	95.8 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4J2439	10/24/2024	10/28/2024	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Naphthalene	ND		0.00380	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua

Origins Laboratory



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 Wheat Ridge CO 80033

Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-03@5-7.5'

10/21/2024 10:58:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E410678-10 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	118 %		70-130			B4J24 39	10/24/2024	10/28/2024	
Surrogate: Toluene-d8	98.5 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	99.5 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	10/25/2024	10/28/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND		0.002	mg/kg	1	B4J2343	10/23/2024	10/25/2024	Ua
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	Ua
Acenaphthene	ND		0.020	"	"	"	"	"	Ua
Anthracene	ND		0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	Ua
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Chrysene	ND		0.020	"	"	"	"	"	Ua
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	Ua

Origins Laboratory



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Wheat Ridge CO 80033

Alfred Garraffa
Project Number: [none]
Project: Noble - CPC Ferguson Chewy UPRC
T5N-R64W-S23L01 TB

SB-03@5-7.5'

10/21/2024 10:58:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
E410678-10 (Soil)**

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND		0.020	mg/kg	1	B4J2343	10/23/2024	10/25/2024	Ua
Fluorene	ND		0.020	"	"	"	"	"	Ua
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	Ua
Naphthalene	ND		0.002	"	"	"	"	"	Ua
Pyrene	ND		0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	99.3 %		60-130			"	"	"	
Surrogate: Anthracene-d10	85.6 %		60-130			"	"	"	
Surrogate: Pyrene-d10	109 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	95.8 %		60-130			"	"	"	

pH in Soil by 9045D

pH	7.08			pH Units	1	B4J2524	10/25/2024	10/26/2024	
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SAR by 20B Saturated Paste

SAR	0.468		0.0100	SAR	1	B4J2509	10/25/2024	10/28/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.0905		0.00500	mmhos/cm	1	B4J2524	10/25/2024	10/26/2024	
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 T5N-R64W-S23L01 TB

SB-03@5-7.5'

10/21/2024 10:58:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
 E410678-10 (Soil)**

Table 915 metals by EPA 6020B

Arsenic	1.03		0.255	mg/kg	10	B4J2236	10/22/2024	10/25/2024	
Barium	38.3		8.81	"	"	"	"	"	
Cadmium	ND		0.0881	"	"	"	"	"	
Copper	ND		8.81	"	"	"	"	"	
Lead	4.71		0.881	"	"	"	"	"	
Nickel	3.97		0.881	"	"	"	"	"	
Selenium	ND		0.229	"	"	"	"	"	
Silver	ND		0.0881	"	"	"	"	"	
Zinc	ND		32.6	"	"	"	"	"	

Total Metals 7196A

Hexavalent Chromium	ND	0.124	0.310	mg/kg dry	1	2698271	11/20/2024	11/22/2024	U
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Origins Laboratory



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Project: Noble - CPC Ferguson Chewy UPRC
T5N-R64W-S23L01 TB

SB-03@7.5-10'

10/21/2024 10:58:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
E410678-11 (Soil)**

Boron (DTPA Sorbitol)

Boron	ND		0.0991	mg/L	1	B4J2413	10/24/2024	10/25/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4J2328	10/23/2024	10/24/2024	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: <i>o</i> -Terphenyl	86.6 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4J2439	10/24/2024	10/28/2024	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Naphthalene	ND		0.00380	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua

Origins Laboratory



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 8000 W 44th Ave
 Wheat Ridge CO 80033

Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-03@7.5-10'

10/21/2024 10:58:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E410678-11 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	118 %		70-130			B4J24 39	10/24/2024	10/28/2024	
Surrogate: Toluene-d8	98.9 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	10/25/2024	10/28/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND		0.002	mg/kg	1	B4J2343	10/23/2024	10/25/2024	Ua
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	Ua
Acenaphthene	ND		0.020	"	"	"	"	"	Ua
Anthracene	ND		0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	Ua
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Chrysene	ND		0.020	"	"	"	"	"	Ua
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	Ua

Origins Laboratory



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Alfred Garraffa
Project Number: [none]
Project: Noble - CPC Ferguson Chewy UPRC
T5N-R64W-S23L01 TB

SB-03@7.5-10'

10/21/2024 10:58:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
E410678-11 (Soil)**

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND		0.020	mg/kg	1	B4J2343	10/23/2024	10/25/2024	Ua
Fluorene	ND		0.020	"	"	"	"	"	Ua
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	Ua
Naphthalene	ND		0.002	"	"	"	"	"	Ua
Pyrene	ND		0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	100 %		60-130			"	"	"	
Surrogate: Anthracene-d10	81.2 %		60-130			"	"	"	
Surrogate: Pyrene-d10	108 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	103 %		60-130			"	"	"	

pH in Soil by 9045D

pH	7.42			pH Units	1	B4J2524	10/25/2024	10/26/2024	
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SAR by 20B Saturated Paste

SAR	0.447		0.0100	SAR	1	B4J2509	10/25/2024	10/28/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.0729		0.00500	mmhos/cm	1	B4J2524	10/25/2024	10/26/2024	
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Origins Laboratory



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-03@7.5-10'

10/21/2024 10:58:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E410678-11 (Soil)

Table 915 metals by EPA 6020B

Arsenic	0.576		0.265	mg/kg	10	B4J2236	10/22/2024	10/25/2024	
Barium	24.1		9.14	"	"	"	"	"	
Cadmium	ND		0.0914	"	"	"	"	"	
Copper	ND		9.14	"	"	"	"	"	
Lead	2.83		0.914	"	"	"	"	"	
Nickel	1.85		0.914	"	"	"	"	"	
Selenium	ND		0.238	"	"	"	"	"	
Silver	ND		0.0914	"	"	"	"	"	
Zinc	ND		33.8	"	"	"	"	"	

Total Metals 7196A

Hexavalent Chromium	ND	0.114	0.285	mg/kg dry	1	2698271	11/20/2024	11/22/2024	U
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Origins Laboratory



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-04@0-2.5'

10/21/2024 11:05:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
 E410678-12 (Soil)**

Boron (DTPA Sorbitol)

Boron	0.191		0.101	mg/L	1	B4J2413	10/24/2024	10/25/2024	
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Metals by Saturated Paste by EPA 6010

Calcium	1.94		0.499	meq/L	10	[CALC]	10/25/2024	10/28/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.444		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.39			pH Units	1	B4J2524	10/25/2024	10/26/2024	
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SAR by 20B Saturated Paste

SAR	0.378		0.0100	SAR	1	B4J2509	10/25/2024	10/28/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.427		0.00500	mmhos/cm	1	B4J2524	10/25/2024	10/26/2024	
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Origins Laboratory

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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-04@2.5-5'

10/21/2024 11:05:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
 E410678-13 (Soil)**

Boron (DTPA Sorbitol)

Boron	ND		0.0998	mg/L	1	B4J2413	10/24/2024	10/25/2024	
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Metals by Saturated Paste by EPA 6010

Calcium	0.508		0.499	meq/L	10	[CALC]	10/25/2024	10/28/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	6.64			pH Units	1	B4J2524	10/25/2024	10/26/2024	
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SAR by 20B Saturated Paste

SAR	0.298		0.0100	SAR	1	B4J2509	10/25/2024	10/28/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.152		0.00500	mmhos/cm	1	B4J2524	10/25/2024	10/26/2024	
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Origins Laboratory

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 Wheat Ridge CO 80033

Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-04@5-7.5'

10/21/2024 11:08:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E410678-14 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.0982	mg/L	1	B4J2413	10/24/2024	10/25/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4J2328	10/23/2024	10/24/2024	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: <i>o</i> -Terphenyl	86.2 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4J2439	10/24/2024	10/28/2024	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Naphthalene	ND		0.00380	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua

Origins Laboratory



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 Wheat Ridge CO 80033

Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-04@5-7.5'

10/21/2024 11:08:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E410678-14 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	119 %		70-130			B4J24 39	10/24/2024	10/28/2024	
Surrogate: Toluene-d8	98.3 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	10/25/2024	10/28/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND		0.002	mg/kg	1	B4J2343	10/23/2024	10/25/2024	Ua
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	Ua
Acenaphthene	ND		0.020	"	"	"	"	"	Ua
Anthracene	ND		0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	Ua
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Chrysene	ND		0.020	"	"	"	"	"	Ua
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	Ua

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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Alfred Garraffa
Project Number: [none]
Project: Noble - CPC Ferguson Chewy UPRC
T5N-R64W-S23L01 TB

SB-04@5-7.5'

10/21/2024 11:08:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
E410678-14 (Soil)**

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND		0.020	mg/kg	1	B4J2343	10/23/2024	10/25/2024	Ua
Fluorene	ND		0.020	"	"	"	"	"	Ua
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	Ua
Naphthalene	ND		0.002	"	"	"	"	"	Ua
Pyrene	ND		0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	104 %		60-130			"	"	"	
Surrogate: Anthracene-d10	77.7 %		60-130			"	"	"	
Surrogate: Pyrene-d10	109 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	99.8 %		60-130			"	"	"	

pH in Soil by 9045D

pH	6.95			pH Units	1	B4J2524	10/25/2024	10/26/2024	
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SAR by 20B Saturated Paste

SAR	0.343		0.0100	SAR	1	B4J2509	10/25/2024	10/28/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.114		0.00500	mmhos/cm	1	B4J2524	10/25/2024	10/26/2024	
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Origins Laboratory



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-04@5-7.5'

10/21/2024 11:08:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E410678-14 (Soil)

Table 915 metals by EPA 6020B

Arsenic	1.59		0.259	mg/kg	10	B4J2236	10/22/2024	10/25/2024	
Barium	30.0		8.94	"	"	"	"	"	
Cadmium	ND		0.0894	"	"	"	"	"	
Copper	ND		8.94	"	"	"	"	"	
Lead	4.07		0.894	"	"	"	"	"	
Nickel	3.35		0.894	"	"	"	"	"	
Selenium	ND		0.232	"	"	"	"	"	
Silver	ND		0.0894	"	"	"	"	"	
Zinc	ND		33.1	"	"	"	"	"	

Total Metals 7196A

Hexavalent Chromium	ND	0.0857	0.214	mg/kg dry	1	2698271	11/20/2024	11/22/2024	U
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Origins Laboratory



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-04@7.5-10'

10/21/2024 11:08:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E410678-15 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.101	mg/L	1	B4J2413	10/24/2024	10/25/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4J2328	10/23/2024	10/24/2024	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: <i>o</i> -Terphenyl	81.8 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4J2439	10/24/2024	10/28/2024	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Naphthalene	ND		0.00380	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua

Origins Laboratory

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Jordan A. Bynon, Project Manager

Eagle Environmental Consulting, LLC
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 Wheat Ridge CO 80033

Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-04@7.5-10'

10/21/2024 11:08:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E410678-15 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	119 %		70-130			B4J24 39	10/24/2024	10/28/2024	
Surrogate: Toluene-d8	99.8 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.03		0.499	meq/L	10	[CALC]	10/25/2024	10/28/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND		0.002	mg/kg	1	B4J2343	10/23/2024	10/25/2024	Ua
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	Ua
Acenaphthene	ND		0.020	"	"	"	"	"	Ua
Anthracene	ND		0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	Ua
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Chrysene	ND		0.020	"	"	"	"	"	Ua
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	Ua

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Eagle Environmental Consulting, LLC
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 Wheat Ridge CO 80033

Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-04@7.5-10'

10/21/2024 11:08:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E410678-15 (Soil)

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND	0.020	mg/kg	1	B4J2343	10/23/2024	10/25/2024	Ua
Fluorene	ND	0.020	"	"	"	"	"	Ua
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	Ua
Naphthalene	ND	0.002	"	"	"	"	"	Ua
Pyrene	ND	0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	104 %	60-130	"	"	"
Surrogate: Anthracene-d10	81.7 %	60-130	"	"	"
Surrogate: Pyrene-d10	107 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	95.8 %	60-130	"	"	"

pH in Soil by 9045D

pH	7.81	pH Units	1	B4J2524	10/25/2024	10/26/2024
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SAR by 20B Saturated Paste

SAR	0.305	0.0100	SAR	1	B4J2509	10/25/2024	10/28/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.226	0.00500	mmhos/cm	1	B4J2524	10/25/2024	10/26/2024
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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
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Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-04@7.5-10'

10/21/2024 11:08:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E410678-15 (Soil)

Table 915 metals by EPA 6020B

Arsenic	1.74		0.284	mg/kg	10	B4J2236	10/22/2024	10/25/2024	
Barium	24.1		9.79	"	"	"	"	"	
Cadmium	ND		0.0979	"	"	"	"	"	
Copper	ND		9.79	"	"	"	"	"	
Lead	3.63		0.979	"	"	"	"	"	
Nickel	2.23		0.979	"	"	"	"	"	
Selenium	ND		0.255	"	"	"	"	"	
Silver	ND		0.0979	"	"	"	"	"	
Zinc	ND		36.2	"	"	"	"	"	

Total Metals 7196A

Hexavalent Chromium	ND	0.110	0.276	mg/kg dry	1	2698271	11/20/2024	11/22/2024	U
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Origins Laboratory



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 8000 W 44th Ave
 Wheat Ridge CO 80033

Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-05@0-2.5'

10/21/2024 11:11:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
 E410678-16 (Soil)**

Boron (DTPA Sorbitol)

Boron	0.274		0.101	mg/L	1	B4J2413	10/24/2024	10/25/2024	
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Metals by Saturated Paste by EPA 6010

Calcium	3.42		0.499	meq/L	10	[CALC]	10/25/2024	10/28/2024	
Magnesium	1.44		0.823	"	"	"	"	"	
Sodium	0.582		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.44			pH Units	1	B4J2524	10/25/2024	10/26/2024	
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SAR by 20B Saturated Paste

SAR	0.373		0.0100	SAR	1	B4J2509	10/25/2024	10/28/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.691		0.00500	mmhos/cm	1	B4J2524	10/25/2024	10/26/2024	
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Origins Laboratory

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 8000 W 44th Ave
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Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-05@2.5-5'

10/21/2024 11:11:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
 E410678-17 (Soil)**

Boron (DTPA Sorbitol)

Boron	ND		0.100	mg/L	1	B4J2413	10/24/2024	10/25/2024	
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Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	10/25/2024	10/28/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	6.88			pH Units	1	B4J2524	10/25/2024	10/26/2024	
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SAR by 20B Saturated Paste

SAR	0.452		0.0100	SAR	1	B4J2509	10/25/2024	10/28/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.112		0.00500	mmhos/cm	1	B4J2524	10/25/2024	10/26/2024	
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8000 W 44th Ave
Wheat Ridge CO 80033

Alfred Garraffa
Project Number: [none]
Project: Noble - CPC Ferguson Chewy UPRC
T5N-R64W-S23L01 TB

SB-05@5-7.5'

10/21/2024 11:14:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
E410678-18 (Soil)**

Boron (DTPA Sorbitol)

Boron	ND		0.0993	mg/L	1	B4J2413	10/24/2024	10/25/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4J2328	10/23/2024	10/24/2024	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: <i>o</i> -Terphenyl	81.5 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4J2439	10/24/2024	10/28/2024	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Naphthalene	ND		0.00380	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua

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Alfred Garraffa
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 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-05@5-7.5'

10/21/2024 11:14:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E410678-18 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	124 %	70-130	B4J24 39	10/24/2024	10/28/2024
Surrogate: Toluene-d8	98.3 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	99.8 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	10	[CALC]	10/25/2024	10/28/2024
Magnesium	ND	0.823	"	"	"	"	"
Sodium	ND	0.435	"	"	"	"	"

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4J2343	10/23/2024	10/25/2024	Ua
2-Methylnaphthalene	ND	0.002	"	"	"	"	"	Ua
Acenaphthene	ND	0.020	"	"	"	"	"	Ua
Anthracene	ND	0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	ND	0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND	0.020	"	"	"	"	"	Ua
Benzo (b) fluoranthene	ND	0.020	"	"	"	"	"	Ua
Benzo (k) fluoranthene	ND	0.020	"	"	"	"	"	Ua
Chrysene	ND	0.020	"	"	"	"	"	Ua
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	Ua

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Alfred Garraffa
Project Number: [none]
Project: Noble - CPC Ferguson Chewy UPRC
T5N-R64W-S23L01 TB

SB-05@5-7.5'

10/21/2024 11:14:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
E410678-18 (Soil)**

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND		0.020	mg/kg	1	B4J2343	10/23/2024	10/25/2024	Ua
Fluorene	ND		0.020	"	"	"	"	"	Ua
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	Ua
Naphthalene	ND		0.002	"	"	"	"	"	Ua
Pyrene	ND		0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	103 %		60-130			"	"	"	
Surrogate: Anthracene-d10	78.1 %		60-130			"	"	"	
Surrogate: Pyrene-d10	106 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	97.4 %		60-130			"	"	"	

pH in Soil by 9045D

pH	6.98			pH Units	1	B4J2524	10/25/2024	10/26/2024	
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SAR by 20B Saturated Paste

SAR	1.78		0.0100	SAR	1	B4J2509	10/25/2024	10/28/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.0889		0.00500	mmhos/cm	1	B4J2524	10/25/2024	10/26/2024	
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Origins Laboratory



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Alfred Garraffa
Project Number: [none]
Project: Noble - CPC Ferguson Chewy UPRC
T5N-R64W-S23L01 TB

SB-05@5-7.5'

10/21/2024 11:14:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E410678-18 (Soil)

Table 915 metals by EPA 6020B

Arsenic	1.01		0.265	mg/kg	10	B4J2236	10/22/2024	10/25/2024	
Barium	27.7		9.14	"	"	"	"	"	
Cadmium	ND		0.0914	"	"	"	"	"	
Copper	ND		9.14	"	"	"	"	"	
Lead	3.74		0.914	"	"	"	"	"	
Nickel	2.72		0.914	"	"	"	"	"	
Selenium	ND		0.238	"	"	"	"	"	
Silver	ND		0.0914	"	"	"	"	"	
Zinc	ND		33.8	"	"	"	"	"	

Total Metals 7196A

Hexavalent Chromium	ND	0.122	0.304	mg/kg dry	1	2698271	11/20/2024	11/22/2024	U
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Alfred Garraffa
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 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-05@7.5-10'

10/21/2024 11:14:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E410678-19 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.101	mg/L	1	B4J2413	10/24/2024	10/25/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4J2328	10/23/2024	10/24/2024	Ua
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	Ua

Surrogate: <i>o</i> -Terphenyl	82.7 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4J2439	10/24/2024	10/28/2024	Ua
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	Ua
Benzene	ND	0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND	0.00200	"	"	"	"	"	Ua
Naphthalene	ND	0.00380	"	"	"	"	"	Ua
Toluene	ND	0.00200	"	"	"	"	"	Ua
Xylenes, total	ND	0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	Ua

Origins Laboratory



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Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-05@7.5-10'

10/21/2024 11:14:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E410678-19 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	123 %		70-130			B4J24 39	10/24/2024	10/28/2024	
Surrogate: Toluene-d8	98.7 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	10/25/2024	10/28/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND		0.002	mg/kg	1	B4J2343	10/23/2024	10/25/2024	Ua
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	Ua
Acenaphthene	ND		0.020	"	"	"	"	"	Ua
Anthracene	ND		0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	Ua
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Chrysene	ND		0.020	"	"	"	"	"	Ua
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	Ua

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Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-05@7.5-10'

10/21/2024 11:14:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E410678-19 (Soil)

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND		0.020	mg/kg	1	B4J2343	10/23/2024	10/25/2024	Ua
Fluorene	ND		0.020	"	"	"	"	"	Ua
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	Ua
Naphthalene	ND		0.002	"	"	"	"	"	Ua
Pyrene	ND		0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	104 %		60-130			"	"	"	
Surrogate: Anthracene-d10	78.6 %		60-130			"	"	"	
Surrogate: Pyrene-d10	108 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	98.5 %		60-130			"	"	"	

pH in Soil by 9045D

pH	7.53			pH Units	1	B4J2524	10/25/2024	10/26/2024	
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SAR by 20B Saturated Paste

SAR	8.93		0.0100	SAR	1	B4J2509	10/25/2024	10/28/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.0899		0.00500	mmhos/cm	1	B4J2524	10/25/2024	10/26/2024	
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Origins Laboratory



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Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-05@7.5-10'

10/21/2024 11:14:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
 E410678-19 (Soil)**

Table 915 metals by EPA 6020B

Arsenic	1.18		0.257	mg/kg	10	B4J2236	10/22/2024	10/25/2024	
Barium	34.4		8.86	"	"	"	"	"	
Cadmium	ND		0.0886	"	"	"	"	"	
Copper	ND		8.86	"	"	"	"	"	
Lead	4.12		0.886	"	"	"	"	"	
Nickel	3.58		0.886	"	"	"	"	"	
Selenium	ND		0.230	"	"	"	"	"	
Silver	ND		0.0886	"	"	"	"	"	
Zinc	ND		32.8	"	"	"	"	"	

Total Metals 7196A

Hexavalent Chromium	ND	0.121	0.302	mg/kg dry	1	2698271	11/20/2024	11/22/2024	U
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Origins Laboratory



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Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-06@0-2.5'

10/21/2024 12:26:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E410678-20 (Soil)

Boron (DTPA Sorbitol)

Boron	0.226		0.101	mg/L	1	B4J2413	10/24/2024	10/25/2024	
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Metals by Saturated Paste by EPA 6010

Calcium	2.21		0.499	meq/L	10	[CALC]	10/25/2024	10/28/2024	
Magnesium	0.904		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.02			pH Units	1	B4J2524	10/25/2024	10/26/2024	
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SAR by 20B Saturated Paste

SAR	0.326		0.0100	SAR	1	B4J2509	10/25/2024	10/28/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.454		0.00500	mmhos/cm	1	B4J2524	10/25/2024	10/26/2024	
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 Wheat Ridge CO 80033

Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-06@2.5-5'

10/21/2024 12:26:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
 E410678-21 (Soil)**

Boron (DTPA Sorbitol)

Boron	ND		0.0992	mg/L	1	B4J2413	10/24/2024	10/25/2024	
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Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	10/25/2024	10/28/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	6.74			pH Units	1	B4J2524	10/25/2024	10/26/2024	
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SAR by 20B Saturated Paste

SAR	0.202		0.0100	SAR	1	B4J2509	10/25/2024	10/28/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.0979		0.00500	mmhos/cm	1	B4J2524	10/25/2024	10/26/2024	
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Jordan A. Bynon, Project Manager



Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-07@0-2.5'

10/21/2024 12:35:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E410678-22 (Soil)

Boron (DTPA Sorbitol)

Boron	0.307		0.101	mg/L	1	B4J2413	10/24/2024	10/25/2024	
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Metals by Saturated Paste by EPA 6010

Calcium	2.73		0.499	meq/L	10	[CALC]	10/25/2024	10/28/2024	
Magnesium	1.08		0.823	"	"	"	"	"	
Sodium	0.516		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.72			pH Units	1	B4J2524	10/25/2024	10/26/2024	
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SAR by 20B Saturated Paste

SAR	0.374		0.0100	SAR	1	B4J2509	10/25/2024	10/28/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.553		0.00500	mmhos/cm	1	B4J2524	10/25/2024	10/26/2024	
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Jordan A. Bynon, Project Manager



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 Wheat Ridge CO 80033

Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-07@2.5-5'

10/21/2024 12:35:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
 E410678-23 (Soil)**

Boron (DTPA Sorbitol)

Boron	ND		0.100	mg/L	1	B4J2413	10/24/2024	10/25/2024	
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Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	10/25/2024	10/28/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.03			pH Units	1	B4J2524	10/25/2024	10/26/2024	
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SAR by 20B Saturated Paste

SAR	0.506		0.0100	SAR	1	B4J2509	10/25/2024	10/28/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.0731		0.00500	mmhos/cm	1	B4J2524	10/25/2024	10/26/2024	
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Origins Laboratory

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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Alfred Garraffa
Project Number: [none]
Project: Noble - CPC Ferguson Chewy UPRC
T5N-R64W-S23L01 TB

SB-08@0-2.5'

10/21/2024 12:29:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
E410678-24 (Soil)**

Boron (DTPA Sorbitol)

Boron	0.252		0.0999	mg/L	1	B4J2413	10/24/2024	10/25/2024	
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Metals by Saturated Paste by EPA 6010

Calcium	3.14		0.499	meq/L	10	[CALC]	10/25/2024	10/28/2024	
Magnesium	1.23		0.823	"	"	"	"	"	
Sodium	0.542		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.63			pH Units	1	B4J2524	10/25/2024	10/26/2024	
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SAR by 20B Saturated Paste

SAR	0.366		0.0100	SAR	1	B4J2509	10/25/2024	10/28/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.626		0.00500	mmhos/cm	1	B4J2524	10/25/2024	10/26/2024	
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 Wheat Ridge CO 80033

Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-08@2.5-5'

10/21/2024 12:29:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
 E410678-25 (Soil)**

Boron (DTPA Sorbitol)

Boron	ND		0.101	mg/L	1	B4J2413	10/24/2024	10/25/2024	
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Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	10/25/2024	10/28/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	6.95			pH Units	1	B4J2524	10/25/2024	10/26/2024	
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SAR by 20B Saturated Paste

SAR	0.322		0.0100	SAR	1	B4J2509	10/25/2024	10/28/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.0793		0.00500	mmhos/cm	1	B4J2524	10/25/2024	10/26/2024	
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Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-09@0-2.5'

10/21/2024 12:23:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E410678-26 (Soil)

Boron (DTPA Sorbitol)

Boron	0.229		0.102	mg/L	1	B4J2413	10/24/2024	10/25/2024	
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Metals by Saturated Paste by EPA 6010

Calcium	3.81		0.499	meq/L	10	[CALC]	10/25/2024	10/28/2024	
Magnesium	1.53		0.823	"	"	"	"	"	
Sodium	0.611		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.56			pH Units	1	B4J2524	10/25/2024	10/26/2024	
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SAR by 20B Saturated Paste

SAR	0.374		0.0100	SAR	1	B4J2509	10/25/2024	10/28/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.688		0.00500	mmhos/cm	1	B4J2524	10/25/2024	10/26/2024	
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Jordan A. Bynon, Project Manager



Eagle Environmental Consulting, LLC
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Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-09@2.5-5'

10/21/2024 12:23:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
 E410678-27 (Soil)**

Boron (DTPA Sorbitol)

Boron	ND		0.0999	mg/L	1	B4J2414	10/24/2024	10/25/2024	
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Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	10/25/2024	10/28/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	6.27			pH Units	1	B4J2524	10/25/2024	10/26/2024	
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SAR by 20B Saturated Paste

SAR	0.159		0.0100	SAR	1	B4J2509	10/25/2024	10/28/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.145		0.00500	mmhos/cm	1	B4J2524	10/25/2024	10/26/2024	
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Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-10@0-2.5'

10/21/2024 12:19:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
 E410678-28 (Soil)**

Boron (DTPA Sorbitol)

Boron	0.119		0.101	mg/L	1	B4J2414	10/24/2024	10/25/2024	
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Metals by Saturated Paste by EPA 6010

Calcium	2.61		0.499	meq/L	10	[CALC]	10/25/2024	10/28/2024	
Magnesium	1.08		0.823	"	"	"	"	"	
Sodium	0.458		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.56			pH Units	1	B4J2524	10/25/2024	10/26/2024	
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SAR by 20B Saturated Paste

SAR	0.338		0.0100	SAR	1	B4J2509	10/25/2024	10/28/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.520		0.00500	mmhos/cm	1	B4J2524	10/25/2024	10/26/2024	
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Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-10@2.5-5'

10/21/2024 12:19:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
 E410678-29 (Soil)**

Boron (DTPA Sorbitol)

Boron	ND		0.100	mg/L	1	B4J2414	10/24/2024	10/25/2024	
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Metals by Saturated Paste by EPA 6010

Calcium	0.501		0.499	meq/L	10	[CALC]	10/25/2024	10/28/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	6.68			pH Units	1	B4J2525	10/25/2024	10/26/2024	
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SAR by 20B Saturated Paste

SAR	0.119		0.0100	SAR	1	B4J2510	10/25/2024	10/28/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.150		0.00500	mmhos/cm	1	B4J2525	10/25/2024	10/26/2024	
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Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-11@5-7.5'

10/21/2024 12:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
 E410678-30 (Soil)**

Boron (DTPA Sorbitol)

Boron	ND		0.0994	mg/L	1	B4J2414	10/24/2024	10/25/2024	
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Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	10/25/2024	10/28/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	6.98			pH Units	1	B4J2525	10/25/2024	10/26/2024	
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SAR by 20B Saturated Paste

SAR	0.311		0.0100	SAR	1	B4J2510	10/25/2024	10/28/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.0808		0.00500	mmhos/cm	1	B4J2525	10/25/2024	10/26/2024	
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 Wheat Ridge CO 80033

Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-11@7.5-10'

10/21/2024 12:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
 E410678-31 (Soil)**

Boron (DTPA Sorbitol)

Boron	ND		0.0990	mg/L	1	B4J2414	10/24/2024	10/25/2024	
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Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	10/25/2024	10/28/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	6.99			pH Units	1	B4J2525	10/25/2024	10/26/2024	
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SAR by 20B Saturated Paste

SAR	0.304		0.0100	SAR	1	B4J2510	10/25/2024	10/28/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.120		0.00500	mmhos/cm	1	B4J2525	10/25/2024	10/26/2024	
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Jordan A. Bynon, Project Manager



Eagle Environmental Consulting, LLC
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 Wheat Ridge CO 80033

Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-12@5-7.5'

10/21/2024 12:08:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E410678-32 (Soil)

Boron (DTPA Sorbitol)

Boron	0.115		0.101	mg/L	1	B4J2414	10/24/2024	10/25/2024	
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Metals by Saturated Paste by EPA 6010

Calcium	2.10		0.499	meq/L	10	[CALC]	10/25/2024	10/28/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	1.14		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.10			pH Units	1	B4J2525	10/25/2024	10/26/2024	
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SAR by 20B Saturated Paste

SAR	0.971		0.0100	SAR	1	B4J2510	10/25/2024	10/28/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.492		0.00500	mmhos/cm	1	B4J2525	10/25/2024	10/26/2024	
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Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-12@7.5-10'

10/21/2024 12:08:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
 E410678-33 (Soil)**

Boron (DTPA Sorbitol)

Boron	ND		0.0989	mg/L	1	B4J2414	10/24/2024	10/25/2024	
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Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	10/25/2024	10/28/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.94			pH Units	1	B4J2525	10/25/2024	10/26/2024	
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SAR by 20B Saturated Paste

SAR	2.41		0.0100	SAR	1	B4J2510	10/25/2024	10/28/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.0664		0.00500	mmhos/cm	1	B4J2525	10/25/2024	10/26/2024	
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Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-13@5-7.5'

10/21/2024 12:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
 E410678-34 (Soil)**

Boron (DTPA Sorbitol)

Boron	ND		0.0999	mg/L	1	B4J2414	10/24/2024	10/25/2024	
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Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	10/25/2024	10/28/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.11			pH Units	1	B4J2525	10/25/2024	10/26/2024	
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SAR by 20B Saturated Paste

SAR	0.299		0.0100	SAR	1	B4J2510	10/25/2024	10/28/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.0841		0.00500	mmhos/cm	1	B4J2525	10/25/2024	10/26/2024	
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Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-13@7.5-10'

10/21/2024 12:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
 E410678-35 (Soil)**

Boron (DTPA Sorbitol)

Boron	ND		0.0988	mg/L	1	B4J2414	10/24/2024	10/25/2024	
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Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	10/25/2024	10/28/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.19			pH Units	1	B4J2525	10/25/2024	10/26/2024	
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SAR by 20B Saturated Paste

SAR	0.325		0.0100	SAR	1	B4J2510	10/25/2024	10/28/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.0716		0.00500	mmhos/cm	1	B4J2525	10/25/2024	10/26/2024	
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Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-14@5-7.5'

10/21/2024 11:53:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E410678-36 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.100	mg/L	1	B4J2414	10/24/2024	10/25/2024	
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Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	10/25/2024	10/28/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.04			pH Units	1	B4J2525	10/25/2024	10/26/2024	
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SAR by 20B Saturated Paste

SAR	0.343		0.0100	SAR	1	B4J2510	10/25/2024	10/28/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.0958		0.00500	mmhos/cm	1	B4J2525	10/25/2024	10/26/2024	
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Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

SB-14@7.5-10'

10/21/2024 11:53:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
 E410678-37 (Soil)**

Boron (DTPA Sorbitol)

Boron	ND		0.0994	mg/L	1	B4J2414	10/24/2024	10/25/2024	
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Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	10/31/2024	11/01/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.45			pH Units	1	B4L0525	12/05/2024	12/06/2024	
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SAR by 20B Saturated Paste

SAR	0.723		0.0100	SAR	1	B4J3112	10/31/2024	11/01/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.0878		0.00500	mmhos/cm	1	B4L0525	12/05/2024	12/06/2024	
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Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

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 B4J2328 - EPA 3550B										
Blank (B4J2328-BLK1)										
					Prepared: 10/23/2024 Analyzed: 10/24/2024					
Diesel (C10-C28)	ND	25.0	mg/kg							Ua
Residual Range Organics (C28-C40)	ND	100	"							Ua
Surrogate: o-Terphenyl	23		"	24.9		92.3	50-150			

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 Jordan A. Bynon, Project Manager



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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
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Batch B4J2328 - EPA 3550B

LCS (B4J2328-BS1)

Prepared: 10/23/2024 Analyzed: 10/24/2024

Diesel (C10-C28)	1080	50.0	mg/kg	1000		108	70-130			
Residual Range Organics (C28-C40)	1080	200	"	1000		108	70-130			
Surrogate: o-Terphenyl	53		"	49.8		107	50-150			

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Jordan A. Bynon, Project Manager



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 T5N-R64W-S23L01 TB

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
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Batch B4J2328 - EPA 3550B

Matrix Spike (B4J2328-MS1)	Source: E410642-01			Prepared: 10/23/2024 Analyzed: 10/24/2024						
Diesel (C10-C28)	1150	50.0	mg/kg	1000	ND	115	70-130			
Residual Range Organics (C28-C40)	1190	200	"	1000	ND	119	70-130			
Surrogate: o-Terphenyl	55		"	49.8		112	50-150			

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Jordan A. Bynon, Project Manager



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 T5N-R64W-S23L01 TB

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
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Batch B4J2328 - EPA 3550B

Matrix Spike Dup (B4J2328-MSD1)	Source: E410642-01			Prepared: 10/23/2024 Analyzed: 10/24/2024						
Diesel (C10-C28)	1110	50.0	mg/kg	1000	ND	111	70-130	3.19	35	
Residual Range Organics (C28-C40)	1150	200	"	1000	ND	115	70-130	3.60	35	
<i>Surrogate: o-Terphenyl</i>	52		"	49.8		104	50-150			

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 T5N-R64W-S23L01 TB

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
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Batch B4J2439 - EPA 5030 (soil)

Blank (B4J2439-BLK1)

Prepared: 10/24/2024 Analyzed: 10/27/2024

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							Ua
1,3,5-Trimethylbenzene	ND	0.00200	"							Ua
Benzene	ND	0.00200	"							Ua
Ethylbenzene	ND	0.00200	"							Ua
Naphthalene	ND	0.00380	"							Ua
Toluene	ND	0.00200	"							Ua
Xylenes, total	ND	0.00200	"							Ua
Gasoline Range Hydrocarbons	ND	0.200	"							Ua
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125	93.4		70-130			
Surrogate: Toluene-d8	0.13		"	0.125	101		70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125	98.7		70-130			

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 Project Number: [none]
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 T5N-R64W-S23L01 TB

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
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Batch B4J2439 - EPA 5030 (soil)

LCS (B4J2439-BS1)

Prepared: 10/24/2024 Analyzed: 10/27/2024

1,2,4-Trimethylbenzene	0.101	0.00200	mg/kg	0.100		101	70-130			
1,3,5-Trimethylbenzene	0.102	0.00200	"	0.100		102	70-130			
Benzene	0.0988	0.00200	"	0.100		98.8	70-130			
Ethylbenzene	0.0996	0.00200	"	0.100		99.6	70-130			
Naphthalene	0.101	0.00380	"	0.100		101	70-130			
Toluene	0.0952	0.00200	"	0.100		95.2	70-130			
o-Xylene	0.101	0.00200	"	0.100		101	70-130			
m,p-Xylene	0.200	0.00400	"	0.200		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		98.0	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	70-130			

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 T5N-R64W-S23L01 TB

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
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Batch B4J2439 - EPA 5030 (soil)

Matrix Spike (B4J2439-MS1)	Source: E410639-01			Prepared: 10/24/2024 Analyzed: 10/27/2024						
1,2,4-Trimethylbenzene	0.101	0.00200	mg/kg	0.100	ND	101	70-130			
1,3,5-Trimethylbenzene	0.102	0.00200	"	0.100	ND	102	70-130			
Benzene	0.0974	0.00200	"	0.100	ND	97.4	70-130			
Ethylbenzene	0.0994	0.00200	"	0.100	ND	99.4	70-130			
Naphthalene	0.100	0.00380	"	0.100	ND	100	70-130			
Toluene	0.0935	0.00200	"	0.100	ND	93.5	70-130			
o-Xylene	0.101	0.00200	"	0.100	ND	101	70-130			
m,p-Xylene	0.200	0.00400	"	0.200	ND	99.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		102	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		102	70-130			

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T5N-R64W-S23L01 TB

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
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Batch B4J2439 - EPA 5030 (soil)

Matrix Spike Dup (B4J2439-MSD1)	Source: E410639-01			Prepared: 10/24/2024 Analyzed: 10/27/2024						
1,2,4-Trimethylbenzene	0.0989	0.00200	mg/kg	0.100	ND	98.9	70-130	1.92	20	
1,3,5-Trimethylbenzene	0.100	0.00200	"	0.100	ND	100	70-130	1.41	20	
Benzene	0.0956	0.00200	"	0.100	ND	95.6	70-130	1.85	20	
Ethylbenzene	0.0972	0.00200	"	0.100	ND	97.2	70-130	2.22	20	
Naphthalene	0.102	0.00380	"	0.100	ND	102	70-130	1.21	20	
Toluene	0.0917	0.00200	"	0.100	ND	91.7	70-130	1.97	20	
o-Xylene	0.0999	0.00200	"	0.100	ND	99.9	70-130	1.43	20	
m,p-Xylene	0.196	0.00400	"	0.200	ND	97.8	70-130	2.09	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		103	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.0	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		103	70-130			

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 T5N-R64W-S23L01 TB

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
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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
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Batch B4J2236 - EPA 3050B

Blank (B4J2236-BLK1)

Prepared: 10/22/2024 Analyzed: 10/25/2024

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 (B4J2236-BS1)

Prepared: 10/22/2024 Analyzed: 10/25/2024

Arsenic	4.73	0.290	mg/kg	5.00		94.6	80-120			
Barium	501	10.0	"	500		100	80-120			
Cadmium	5.14	0.100	"	5.00		103	80-120			
Copper	47.2	10.0	"	50.0		94.4	80-120			
Lead	5.05	1.00	"	5.00		101	80-120			
Nickel	4.97	1.00	"	5.00		99.4	80-120			
Selenium	4.96	0.260	"	5.00		99.3	80-120			
Silver	5.12	0.100	"	5.00		102	80-120			
Zinc	46.8	37.0	"	50.0		93.7	80-120			

Matrix Spike (B4J2236-MS1)

Source: E410673-06

Prepared: 10/22/2024 Analyzed: 10/25/2024

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 T5N-R64W-S23L01 TB

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
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Batch B4J2236 - EPA 3050B

Matrix Spike (B4J2236-MS1)		Source: E410673-06			Prepared: 10/22/2024 Analyzed: 10/25/2024					
Arsenic	7.66	0.264	mg/kg	4.55	4.85	61.7	75-125			QM-07
Barium	606	9.11	"	455	453	33.5	75-125			QM-07
Cadmium	4.73	0.0911	"	4.55	0.0985	102	75-125			
Copper	46.6	9.11	"	45.5	5.02	91.3	75-125			
Lead	10.5	0.911	"	4.55	16.6	NR	75-125			QM-07
Nickel	8.57	0.911	"	4.55	4.87	81.2	75-125			
Selenium	4.62	0.237	"	4.55	0.0863	99.6	75-125			
Silver	4.57	0.0911	"	4.55	ND	100	75-125			
Zinc	61.2	33.7	"	45.5	22.0	86.2	75-125			

Matrix Spike Dup (B4J2236-MSD1)		Source: E410673-06			Prepared: 10/22/2024 Analyzed: 10/25/2024					
Arsenic	8.94	0.266	mg/kg	4.58	4.85	89.3	75-125	15.4	20	
Barium	719	9.16	"	458	453	58.0	75-125	17.1	20	QM-07
Cadmium	5.47	0.0916	"	4.58	0.0985	117	75-125	14.4	20	
Copper	54.3	9.16	"	45.8	5.02	108	75-125	15.4	20	
Lead	16.0	0.916	"	4.58	16.6	NR	75-125	41.3	20	QM-07, QR-DUP
Nickel	9.89	0.916	"	4.58	4.87	110	75-125	14.4	20	
Selenium	5.07	0.238	"	4.58	0.0863	109	75-125	9.21	20	
Silver	5.33	0.0916	"	4.58	ND	116	75-125	15.4	20	
Zinc	70.6	33.9	"	45.8	22.0	106	75-125	14.2	20	

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Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4J2343 - EPA 3580

Blank (B4J2343-BLK1)

Prepared: 10/23/2024 Analyzed: 10/25/2024

1-Methylnaphthalene	ND	0.002	mg/kg							Ua
2-Methylnaphthalene	ND	0.002	"							Ua
Acenaphthene	ND	0.020	"							Ua
Anthracene	ND	0.020	"							Ua
Benzo (a) anthracene	ND	0.005	"							Ua
Benzo (a) pyrene	ND	0.020	"							Ua
Benzo (b) fluoranthene	ND	0.020	"							Ua
Benzo (g,h,i) perylene	ND	0.020	"							Ua
Benzo (k) fluoranthene	ND	0.020	"							Ua
Chrysene	ND	0.020	"							Ua
Dibenz (a,h) anthracene	ND	0.020	"							Ua
Fluoranthene	ND	0.020	"							Ua
Fluorene	ND	0.020	"							Ua
Indeno (1,2,3-cd) pyrene	ND	0.020	"							Ua
Naphthalene	ND	0.002	"							Ua
Phenanthrene	ND	0.020	"							Ua
Pyrene	ND	0.020	"							Ua

Surrogate: Fluorene-d10	220		ug/kg	200		108	60-130			
Surrogate: Anthracene-d10	170		"	200		82.8	60-130			
Surrogate: Pyrene-d10	210		"	200		105	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		102	60-130			

LCS (B4J2343-BS1)

Prepared: 10/23/2024 Analyzed: 10/25/2024

1-Methylnaphthalene	0.192	0.002	mg/kg	0.200		95.8	70-130			
2-Methylnaphthalene	0.171	0.002	"	0.200		85.4	70-130			
Acenaphthene	0.189	0.020	"	0.200		94.3	70-130			
Anthracene	0.173	0.020	"	0.200		86.7	70-130			

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 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4J2343 - EPA 3580

LCS (B4J2343-BS1)

Prepared: 10/23/2024 Analyzed: 10/25/2024

Benzo (a) anthracene	0.183	0.005	mg/kg	0.200		91.3	70-130			
Benzo (a) pyrene	0.185	0.020	"	0.200		92.3	70-130			
Benzo (b) fluoranthene	0.209	0.020	"	0.200		105	70-130			
Benzo (g,h,i) perylene	0.184	0.020	"	0.200		92.0	70-130			
Benzo (k) fluoranthene	0.198	0.020	"	0.200		98.9	70-130			
Chrysene	0.191	0.020	"	0.200		95.7	70-130			
Dibenz (a,h) anthracene	0.187	0.020	"	0.200		93.6	70-130			
Fluoranthene	0.188	0.020	"	0.200		93.8	70-130			
Fluorene	0.197	0.020	"	0.200		98.5	70-130			
Indeno (1,2,3-cd) pyrene	0.223	0.020	"	0.200		111	70-130			
Naphthalene	0.192	0.002	"	0.200		95.8	70-130			
Phenanthrene	0.182	0.020	"	0.200		91.0	70-130			
Pyrene	0.213	0.020	"	0.200		106	70-130			
Surrogate: Fluorene-d10	210		ug/kg	200		106	60-130			
Surrogate: Anthracene-d10	170		"	200		86.5	60-130			
Surrogate: Pyrene-d10	210		"	200		103	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		98.4	60-130			

Matrix Spike (B4J2343-MS1)

Source: E410574-02

Prepared: 10/23/2024 Analyzed: 10/25/2024

1-Methylnaphthalene	0.176	0.002	mg/kg	0.200	0.0005	87.8	70-130			
2-Methylnaphthalene	0.178	0.002	"	0.200	ND	89.2	70-130			
Acenaphthene	0.185	0.020	"	0.200	0.002	91.8	70-130			
Anthracene	0.161	0.020	"	0.200	0.005	77.8	70-130			
Benzo (a) anthracene	0.210	0.005	"	0.200	0.025	92.5	70-130			
Benzo (a) pyrene	0.199	0.020	"	0.200	0.030	84.7	70-130			
Benzo (b) fluoranthene	0.229	0.020	"	0.200	0.024	102	70-130			
Benzo (g,h,i) perylene	0.205	0.020	"	0.200	0.023	91.0	70-130			

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Alfred Garraffa
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 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4J2343 - EPA 3580

Matrix Spike (B4J2343-MS1)	Source: E410574-02			Prepared: 10/23/2024 Analyzed: 10/25/2024						
Benzo (k) fluoranthene	0.217	0.020	mg/kg	0.200	0.015	101	70-130			
Chrysene	0.210	0.020	"	0.200	0.037	86.7	70-130			
Dibenz (a,h) anthracene	0.189	0.020	"	0.200	0.005	91.8	70-130			
Fluoranthene	0.215	0.020	"	0.200	0.037	88.9	70-130			
Fluorene	0.186	0.020	"	0.200	0.001	92.4	70-130			
Indeno (1,2,3-cd) pyrene	0.197	0.020	"	0.200	0.019	88.9	70-130			
Naphthalene	0.183	0.002	"	0.200	ND	91.7	70-130			
Phenanthrene	0.183	0.020	"	0.200	0.014	84.3	70-130			
Pyrene	0.246	0.020	"	0.200	0.052	96.7	70-130			
Surrogate: Fluorene-d10	210		ug/kg	200		103	60-130			
Surrogate: Anthracene-d10	160		"	200		80.5	60-130			
Surrogate: Pyrene-d10	210		"	200		105	60-130			
Surrogate: Benzo (a) pyrene-d12	190		"	200		97.4	60-130			

Matrix Spike Dup (B4J2343-MSD1)	Source: E410574-02			Prepared: 10/23/2024 Analyzed: 10/25/2024						
1-Methylnaphthalene	0.176	0.002	mg/kg	0.200	0.0005	87.9	70-130	0.112	20	
2-Methylnaphthalene	0.178	0.002	"	0.200	ND	89.1	70-130	0.109	20	
Acenaphthene	0.185	0.020	"	0.200	0.002	91.8	70-130	0.0405	20	
Anthracene	0.184	0.020	"	0.200	0.005	89.6	70-130	13.8	20	
Benzo (a) anthracene	0.213	0.005	"	0.200	0.025	93.7	70-130	1.10	20	
Benzo (a) pyrene	0.203	0.020	"	0.200	0.030	86.7	70-130	1.93	20	
Benzo (b) fluoranthene	0.231	0.020	"	0.200	0.024	103	70-130	0.724	20	
Benzo (g,h,i) perylene	0.202	0.020	"	0.200	0.023	89.4	70-130	1.54	20	
Benzo (k) fluoranthene	0.223	0.020	"	0.200	0.015	104	70-130	2.51	20	
Chrysene	0.206	0.020	"	0.200	0.037	84.7	70-130	1.96	20	
Dibenz (a,h) anthracene	0.187	0.020	"	0.200	0.005	91.0	70-130	0.836	20	
Fluoranthene	0.221	0.020	"	0.200	0.037	92.0	70-130	2.83	20	

Origins Laboratory



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 8000 W 44th Ave
 Wheat Ridge CO 80033

Alfred Garraffa
 Project Number: [none]
 Project: Noble - CPC Ferguson Chewy UPRC
 T5N-R64W-S23L01 TB

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4J2343 - EPA 3580

Matrix Spike Dup (B4J2343-MSD1)	Source: E410574-02			Prepared: 10/23/2024 Analyzed: 10/25/2024						
Fluorene	0.188	0.020	mg/kg	0.200	0.001	93.3	70-130	0.960	20	
Indeno (1,2,3-cd) pyrene	0.195	0.020	"	0.200	0.019	88.1	70-130	0.730	20	
Naphthalene	0.183	0.002	"	0.200	ND	91.7	70-130	0.0314	20	
Phenanthrene	0.184	0.020	"	0.200	0.014	84.9	70-130	0.636	20	
Pyrene	0.247	0.020	"	0.200	0.052	97.4	70-130	0.594	20	
Surrogate: Fluorene-d10	210		ug/kg	200		103	60-130			
Surrogate: Anthracene-d10	160		"	200		81.9	60-130			
Surrogate: Pyrene-d10	210		"	200		106	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		102	60-130			

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Jordan A. Bynon, Project Manager



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Alfred Garraffa
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 T5N-R64W-S23L01 TB

Classical Chemistry Parameters - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J2412 - DTPA Sorbitol Preparation										
Blank (B4J2412-BLK1)					Prepared: 10/24/2024 Analyzed: 10/25/2024					
Boron	ND	0.100	mg/L							
Duplicate (B4J2412-DUP1)		Source: E410632-01			Prepared: 10/24/2024 Analyzed: 10/25/2024					
Boron	6.08	0.0994	mg/L		5.91			2.82	50	
Batch B4J2413 - DTPA Sorbitol Preparation										
Blank (B4J2413-BLK1)					Prepared: 10/24/2024 Analyzed: 10/25/2024					
Boron	ND	0.100	mg/L							
Duplicate (B4J2413-DUP1)		Source: E410678-07			Prepared: 10/24/2024 Analyzed: 10/25/2024					
Boron	0.0835	0.0992	mg/L		0.0841			0.670	50	
Batch B4J2414 - DTPA Sorbitol Preparation										
Blank (B4J2414-BLK1)					Prepared: 10/24/2024 Analyzed: 10/25/2024					
Boron	ND	0.100	mg/L							
Duplicate (B4J2414-DUP1)		Source: E410678-27			Prepared: 10/24/2024 Analyzed: 10/25/2024					
Boron	0.0501	0.100	mg/L		0.0510			1.80	50	
Batch B4J2508 - Saturated Paste Metals										
Blank (B4J2508-BLK1)					Prepared: 10/25/2024 Analyzed: 10/28/2024					
SAR	ND	0.0100	SAR							
Calcium PPM	ND	10.0	mg/L							
Magnesium PPM	ND	10.0	"							
Sodium PPM	ND	10.0	"							

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Classical Chemistry Parameters - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4J2508 - Saturated Paste Metals

Duplicate (B4J2508-DUP1)		Source: E410678-01			Prepared: 10/25/2024 Analyzed: 10/28/2024					
Calcium PPM	60.2	10.0	mg/L		56.3			6.74	50	
SAR	ND	0.0100	SAR		0.499				200	
Magnesium PPM	15.6	10.0	mg/L		14.3			8.88	50	
Sodium PPM	20.7	10.0	"		16.2			24.3	50	

Batch B4J2509 - Saturated Paste Metals

Blank (B4J2509-BLK1)					Prepared: 10/25/2024 Analyzed: 10/28/2024					
SAR	ND	0.0100	SAR							
Calcium PPM	ND	10.0	mg/L							
Magnesium PPM	ND	10.0	"							
Sodium PPM	ND	10.0	"							

Duplicate (B4J2509-DUP1)		Source: E410678-09			Prepared: 10/25/2024 Analyzed: 10/28/2024					
SAR	ND	0.0100	SAR		0.797				200	
Calcium PPM	7.66	10.0	mg/L		8.75			13.3	50	
Magnesium PPM	1.89	10.0	"		2.05			8.12	50	
Sodium PPM	8.82	10.0	"		10.1			13.3	50	

Batch B4J2510 - Saturated Paste Metals

Blank (B4J2510-BLK1)					Prepared: 10/25/2024 Analyzed: 10/28/2024					
SAR	ND	0.0100	SAR							
Calcium PPM	ND	10.0	mg/L							
Magnesium PPM	ND	10.0	"							
Sodium PPM	ND	10.0	"							

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Jordan A. Bynon, Project Manager



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Classical Chemistry Parameters - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4J2510 - Saturated Paste Metals

Duplicate (B4J2510-DUP1)		Source: E410678-29			Prepared: 10/25/2024 Analyzed: 10/28/2024					
Calcium PPM	7.54	10.0	mg/L		10.0			28.4	50	
SAR	ND	0.0100	SAR		0.119				200	
Magnesium PPM	2.64	10.0	mg/L		3.68			32.9	50	
Sodium PPM	1.45	10.0	"		1.74			18.2	50	

Batch B4J3112 - Saturated Paste Metals

Blank (B4J3112-BLK1)		Prepared: 10/31/2024 Analyzed: 11/01/2024								
SAR	ND	0.0100	SAR							
Calcium PPM	ND	10.0	mg/L							
Magnesium PPM	ND	10.0	"							
Sodium PPM	ND	10.0	"							

Duplicate (B4J3112-DUP1)		Source: E410971-01			Prepared: 10/31/2024 Analyzed: 11/01/2024					
SAR	ND	0.0100	SAR		10.7				200	
Calcium PPM	433	10.0	mg/L		431			0.452	50	
Magnesium PPM	218	10.0	"		225			3.30	50	
Sodium PPM	1060	10.0	"		1100			2.95	50	

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Saturated Paste - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4J2523 - Saturated Paste pH/EC

Blank (B4J2523-BLK1)

Prepared: 10/25/2024 Analyzed: 10/26/2024

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B4J2523-DUP1)

Source: E410678-01

Prepared: 10/25/2024 Analyzed: 10/26/2024

pH 7.58 pH Units 7.62 0.526 25

Specific Conductance (EC) 0.574 0.00500 mmhos/cm 0.554 3.44 25

Batch B4J2524 - Saturated Paste pH/EC

Blank (B4J2524-BLK1)

Prepared: 10/25/2024 Analyzed: 10/26/2024

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B4J2524-DUP1)

Source: E410678-09

Prepared: 10/25/2024 Analyzed: 10/26/2024

pH 7.46 pH Units 7.47 0.134 25

Specific Conductance (EC) 0.138 0.00500 mmhos/cm 0.150 8.18 25

Batch B4J2525 - Saturated Paste pH/EC

Blank (B4J2525-BLK1)

Prepared: 10/25/2024 Analyzed: 10/26/2024

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B4J2525-DUP1)

Source: E410678-29

Prepared: 10/25/2024 Analyzed: 10/26/2024

pH 6.85 pH Units 6.68 2.51 25

Specific Conductance (EC) 0.122 0.00500 mmhos/cm 0.150 20.8 25

Batch B4L0525 - Saturated Paste pH/EC

Blank (B4L0525-BLK1)

Prepared: 12/05/2024 Analyzed: 12/06/2024

Specific Conductance (EC) ND 0.00500 mmhos/cm

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Jordan A. Bynon, Project Manager



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Saturated Paste - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4L0525 - Saturated Paste pH/EC

Duplicate (B4L0525-DUP1)	Source: E4K0831-01			Prepared: 12/05/2024 Analyzed: 12/06/2024						
Specific Conductance (EC)	1.47	0.00500	mmhos/cm		1.43			2.39	25	
pH	8.04		pH Units		8.05			0.124	25	

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T5N-R64W-S23L01 TB

Total Metals 7196A - Quality Control
GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2698271 - SW846 3060A										
BLANK (1205905648-BLK)					Prepared: 11/20/2024 Analyzed: 11/22/2024					
Hexavalent Chromium	ND	0.385	mg/kg				-			U
LCS (1205905649-BKS)					Prepared: 11/20/2024 Analyzed: 11/22/2024					
Hexavalent Chromium	3.01	0.303	mg/kg	3.03		99.5	80-120			
DUP (1205905650 D)					Source: E410678-03 Prepared: 11/20/2024 Analyzed: 11/22/2024					
Hexavalent Chromium	ND	0.378	mg/kg dry		<0.151		0-50	N/A	50	U
MS (1205905651 S)					Source: E410678-03 Prepared: 11/20/2024 Analyzed: 11/22/2024					
Hexavalent Chromium	2.75	0.332	mg/kg dry	3.32	<0.133	80	75-125			
DUP (1205905652 D)					Source: E410678-04 Prepared: 11/20/2024 Analyzed: 11/22/2024					
Hexavalent Chromium	ND	0.422	mg/kg dry		<0.169		0-50	N/A	50	U
MS (1205905653 S)					Source: E410678-04 Prepared: 11/20/2024 Analyzed: 11/22/2024					
Hexavalent Chromium	2.88	0.290	mg/kg dry	2.90	<0.116	97.5	75-125			
ILCS (1205905654-ILCS)					Prepared: 11/20/2024 Analyzed: 11/22/2024					
Hexavalent Chromium	5.26	0.242	mg/kg	4.87		108	80-120			

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T5N-R64W-S23L01 TB

Notes and Definitions

Ua Sample is Non-Detect.

U Result not detected above the detection limit

QR-DUP RPD exceeds QC acceptance criteria, this indicates source sample is not homogenous.

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.

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