



August 27, 2021

Eagle Environmental Consulting, Inc.

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Wells Ranch AA #21-04 Project Number - [none]

Attached are your analytical results for Noble - Wells Ranch AA #21-04 received by Origins Laboratory, Inc. August 26, 2021. This project is associated with Origins project number Y108546-01.

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, Inc.  
303.433.1322  
o-squad@oelabinc.com



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

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

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Wells Ranch AA #21-04

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FS-01@5.5'	Y108546-01	Soil	August 26, 2021 12:30	08/26/2021 16:49
FS-02@5.5'	Y108546-02	Soil	August 26, 2021 12:31	08/26/2021 16:49
FS-03@5.5'	Y108546-03	Soil	August 26, 2021 12:32	08/26/2021 16:49
FS-04@5.5'	Y108546-04	Soil	August 26, 2021 12:33	08/26/2021 16:49
SS-13@4'	Y108546-05	Soil	August 26, 2021 12:38	08/26/2021 16:49
SS-14@4.5'	Y108546-06	Soil	August 26, 2021 12:40	08/26/2021 16:49
SS-15@4.5'	Y108546-07	Soil	August 26, 2021 12:42	08/26/2021 16:49
SS-16@4.5'	Y108546-08	Soil	August 26, 2021 12:44	08/26/2021 16:49
SS-17@4.5'	Y108546-09	Soil	August 26, 2021 12:46	08/26/2021 16:49
SS-19@4.5'	Y108546-10	Soil	August 26, 2021 12:56	08/26/2021 16:49
SS-20@4.5'	Y108546-11	Soil	August 26, 2021 12:58	08/26/2021 16:49
SS-21@4.5'	Y108546-12	Soil	August 26, 2021 13:00	08/26/2021 16:49
SS-22@4.5'	Y108546-13	Soil	August 26, 2021 13:02	08/26/2021 16:49
SS-23@4.5'	Y108546-14	Soil	August 26, 2021 13:04	08/26/2021 16:49

Origins Laboratory, Inc.



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# ORIGINS LABORATORY, INC

Eagle Environmental Consulting, Inc.

8000 W 44th Ave

Wheat Ridge CO 80033

Martin C Eckert III

Project Number: [none]

Project: Noble - Wells Ranch AA #21-04

Origins Laboratory, Inc.



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Jordan A. Merrill For Noelle Doyle Mathis, President

# ORIGINS LABORATORY, INC

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

Martin C Eckert III  
Project Number: [none]  
Project: Noble - Wells Ranch AA #21-04

www.originslaboratory.com page 2 of 2

**ORIGINS LABORATORY, INC**  
11059410

Client: Eagle Environmental Consulting  
Project Manager: Martin C Eckert III  
Address: 8000 W 44th Ave  
Project Name: Noble - Wells Ranch AA #21-04  
Telephone Number: 303-433-1322  
Project Number: 21060033  
Email Address: info@originslab.com  
Samples Collected By: MCE

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix		Analysts	Sample Instructions
				Unpreserved	HCl	HNO <sub>3</sub>	Other	Groundwater	Soil		
15-01-05-5	11/17/20	1230	1	X				X			EC SAH
15-02-05-5	11/17/20	1231	1								Summa # 21060033
15-03-05-5	11/17/20	1232	1								ALB
15-04-05-5	11/17/20	1233	1								
15-05-05-5	11/17/20	1234	1								
15-06-05-5	11/17/20	1235	1								
15-07-05-5	11/17/20	1236	1								
15-08-05-5	11/17/20	1237	1								
15-09-05-5	11/17/20	1238	1								
15-10-05-5	11/17/20	1239	1								
15-11-05-5	11/17/20	1240	1								
15-12-05-5	11/17/20	1241	1								
15-13-05-5	11/17/20	1242	1								
15-14-05-5	11/17/20	1243	1								
15-15-05-5	11/17/20	1244	1								
15-16-05-5	11/17/20	1245	1								
15-17-05-5	11/17/20	1246	1								
15-18-05-5	11/17/20	1247	1								
15-19-05-5	11/17/20	1248	1								
15-20-05-5	11/17/20	1249	1								
15-21-05-5	11/17/20	1250	1								

Relinquished By: [Signature]  
Relinquished Date: 11/17/20

Received By: [Signature]  
Received Date: 11/17/20

Turnaround Time: 24 Hr  48 Hr  72 Hr  Standard

Date Result Needed: 11/17/20

Temp Received: 4.1

Origins Laboratory, Inc.  
*Jordan A. Merrill*  
Jordan A. Merrill For Noelle Doyle Mathis, President

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

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Wells Ranch AA #21-04

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1105518

ORIGINS LABORATORY, INC

page 2 of 3

Client: Eagle Environmental Consulting, Inc.  
 Address: 8000 W 44th Ave, Wheat Ridge, CO 80033  
 Telephone Number: 303-475-2513  
 Email Address: MCE@EAGLE-ENV.COM

Project Manager: Martin C Eckert III  
 Project Name: Noble - Wells Ranch AA #21-04  
 Project Number: 1105518  
 Samples Collected By: RUC/EC

Phone: 303.433.1322 | Denver, CO 80211 | Fax: 303.265.9645

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative			Matrix	Analysis	Sample Instructions	Relinquished By	Date	Time	Turnaround Time
				Unpreserved	HCl	HNO <sub>3</sub>							
SS-2104-15	8/20/15	1500	2				X	X X X Y	EC/EC	8/20/15	16:49	24 Hr	
SS-2104-15	8/20/15	1500	2				X	X X X Y	EC/EC	8/20/15	16:49	24 Hr	
SS-2104-15	8/20/15	1502	1				X	X X X Y	EC/EC	8/20/15	16:49	24 Hr	
SS-2104-15	8/20/15	1504	1				X	X X X Y	EC/EC	8/20/15	16:49	24 Hr	

Date Results Needed: 8/20/15  
 Temp Received: 4

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Jordan A. Merrill For Noelle Doyle Mathis, President

# ORIGINS LABORATORY, INC

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

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Wells Ranch AA #21-04

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

Origins Work Order: Y10854C      Client: Eagle  
 Client Project ID: Wells Ranch AA 21-04

Checklist Completed by: SG      Shipped Via: HD  
 Date/time completed: 8/26/21      (UPS, FedEx, Hand Delivered, Pick-up, etc.)  
 Airbill #: N/A

Matrix(s) Received: (Check all that apply):  Soil/Solid       Water       Other: \_\_\_\_\_  
 Cooler Number/Temperature: 1 / 4.1 °C      /      °C      /      °C      (Describe) \_\_\_\_\_  
 Thermometer ID: T003

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

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

Reviewed by (Project Manager) \_\_\_\_\_

Date/Time Reviewed 8/26/21

Origins Laboratory, Inc.



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Jordan A. Merrill For Noelle Doyle Mathis, President

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

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Wells Ranch AA #21-04

**FS-01@5.5'**  
**8/26/2021 12:30:00PM**

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y108546-01 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	50.0	mg/kg	1	B1H2622	KDK	08/26/2021	08/26/2021	U
Residual Range Organics (C28-C40)	ND	200	"	"	"	KDK	"	"	U
Surrogate: o-Terphenyl	86.3 %		50-150		"	"	"	"	

**GBTEX+TMBs**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B1H2627	KDK	08/26/2021	08/26/2021	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Benzene	ND	0.00200	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Toluene	ND	0.00200	"	"	"	KDK	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.00200	"	"	"	KDK	"	"	U
Surrogate: 1,2-Dichloroethane-d4	104 %		70-130		"	"	"	"	
Surrogate: Toluene-d8	95.8 %		70-130		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	98.3 %		70-130		"	"	"	"	

Origins Laboratory, Inc.



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 Wheat Ridge CO 80033

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Wells Ranch AA #21-04

**FS-02@5.5'**

**8/26/2021 12:31:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y108546-02 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	50.0	mg/kg	1	B1H2622	KDK	08/26/2021	08/26/2021	U
Residual Range Organics (C28-C40)	ND	200	"	"	"	KDK	"	"	U
Surrogate: o-Terphenyl	87.6 %		50-150						

**GBTEX+TMBs**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B1H2627	KDK	08/26/2021	08/26/2021	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Benzene	ND	0.00200	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Toluene	ND	0.00200	"	"	"	KDK	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.00200	"	"	"	KDK	"	"	U
Surrogate: 1,2-Dichloroethane-d4	103 %		70-130						
Surrogate: Toluene-d8	96.0 %		70-130						
Surrogate: 4-Bromofluorobenzene	98.5 %		70-130						

Origins Laboratory, Inc.



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 Wheat Ridge CO 80033

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Wells Ranch AA #21-04

**FS-03@5.5'**  
**8/26/2021 12:32:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y108546-03 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	50.0	mg/kg	1	B1H2622	KDK	08/26/2021	08/26/2021	U
Residual Range Organics (C28-C40)	ND	200	"	"	"	KDK	"	"	U
Surrogate: o-Terphenyl	92.0 %	50-150	"	"	"	"	"	"	"

**GBTEX+TMBs**

1,2,4-Trimethylbenzene	<b>0.00378</b>	0.00200	mg/kg	1	B1H2627	KDK	08/26/2021	08/26/2021	
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Benzene	ND	0.00200	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Toluene	ND	0.00200	"	"	"	KDK	"	"	U
Gasoline Range Hydrocarbons	<b>0.415</b>	0.200	"	"	"	KDK	"	"	
Xylenes, total	ND	0.00200	"	"	"	KDK	"	"	U
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130	"	"	"	"	"	"	
Surrogate: Toluene-d8	95.0 %	70-130	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	98.3 %	70-130	"	"	"	"	"	"	

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Wheat Ridge CO 80033

Martin C Eckert III  
Project Number: [none]  
Project: Noble - Wells Ranch AA #21-04

FS-04@5.5'  
8/26/2021 12:33:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y108546-04 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	50.0	mg/kg	1	B1H2622	KDK	08/26/2021	08/26/2021	U
Residual Range Organics (C28-C40)	ND	200	"	"	"	KDK	"	"	U
Surrogate: o-Terphenyl	80.6 %		50-150		"	"	"	"	

**GBTEX+TMBs**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B1H2627	KDK	08/26/2021	08/26/2021	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Benzene	ND	0.00200	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Toluene	ND	0.00200	"	"	"	KDK	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.00200	"	"	"	KDK	"	"	U
Surrogate: 1,2-Dichloroethane-d4	102 %		70-130		"	"	"	"	
Surrogate: Toluene-d8	95.7 %		70-130		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	99.0 %		70-130		"	"	"	"	

Origins Laboratory, Inc.

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

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Wells Ranch AA #21-04

**SS-13@4'**  
**8/26/2021 12:38:00PM**

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y108546-05 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	50.0	mg/kg	1	B1H2622	KDK	08/26/2021	08/26/2021	U
Residual Range Organics (C28-C40)	ND	200	"	"	"	KDK	"	"	U
Surrogate: o-Terphenyl	75.5 %		50-150		"	"	"	"	

**GBTEX+TMBs**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B1H2627	KDK	08/26/2021	08/26/2021	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Benzene	ND	0.00200	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Toluene	ND	0.00200	"	"	"	KDK	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.00200	"	"	"	KDK	"	"	U
Surrogate: 1,2-Dichloroethane-d4	104 %		70-130		"	"	"	"	
Surrogate: Toluene-d8	95.7 %		70-130		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	98.7 %		70-130		"	"	"	"	

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

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Wells Ranch AA #21-04

**SS-14@4.5'**  
**8/26/2021 12:40:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y108546-06 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	50.0	mg/kg	1	B1H2622	KDK	08/26/2021	08/26/2021	U
Residual Range Organics (C28-C40)	ND	200	"	"	"	KDK	"	"	U
Surrogate: o-Terphenyl	76.8 %	50-150	"	"	"	"	"	"	"

**GBTEX+TMBs**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B1H2621	KDK	08/26/2021	08/26/2021	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Benzene	ND	0.00200	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Toluene	<b>0.00368</b>	0.00200	"	"	"	KDK	"	"	"
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	KDK	"	"	U
Xylenes, total	<b>0.00718</b>	0.00200	"	"	"	KDK	"	"	"
Surrogate: 1,2-Dichloroethane-d4	99.7 %	70-130	"	"	"	"	"	"	"
Surrogate: Toluene-d8	96.0 %	70-130	"	"	"	"	"	"	"
Surrogate: 4-Bromofluorobenzene	99.5 %	70-130	"	"	"	"	"	"	"

Origins Laboratory, Inc.



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

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Wells Ranch AA #21-04

**SS-15@4.5'**  
**8/26/2021 12:42:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y108546-07 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	50.0	mg/kg	1	B1H2622	KDK	08/26/2021	08/26/2021	U
Residual Range Organics (C28-C40)	ND	200	"	"	"	KDK	"	"	U
Surrogate: o-Terphenyl	78.0 %		50-150		"	"	"	"	

**GBTEX+TMBs**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B1H2621	KDK	08/26/2021	08/26/2021	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Benzene	ND	0.00200	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Toluene	<b>0.00264</b>	0.00200	"	"	"	KDK	"	"	
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.00200	"	"	"	KDK	"	"	U
Surrogate: 1,2-Dichloroethane-d4	99.6 %		70-130		"	"	"	"	
Surrogate: Toluene-d8	96.7 %		70-130		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	99.2 %		70-130		"	"	"	"	

Origins Laboratory, Inc.



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 8000 W 44th Ave  
 Wheat Ridge CO 80033

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Wells Ranch AA #21-04

**SS-16@4.5'**

**8/26/2021 12:44:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y108546-08 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	50.0	mg/kg	1	B1H2628	KDK	08/26/2021	08/26/2021	U
Residual Range Organics (C28-C40)	ND	200	"	"	"	KDK	"	"	U
Surrogate: o-Terphenyl	75.6 %		50-150		"	"	"	"	

**GBTEX+TMBs**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B1H2621	KDK	08/26/2021	08/26/2021	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Benzene	ND	0.00200	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Toluene	<b>0.00326</b>	0.00200	"	"	"	KDK	"	"	
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	KDK	"	"	U
Xylenes, total	<b>0.00660</b>	0.00200	"	"	"	KDK	"	"	
Surrogate: 1,2-Dichloroethane-d4	100 %		70-130		"	"	"	"	
Surrogate: Toluene-d8	96.4 %		70-130		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	98.4 %		70-130		"	"	"	"	

Origins Laboratory, Inc.



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 Wheat Ridge CO 80033

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Wells Ranch AA #21-04

**SS-17@4.5'**

**8/26/2021 12:46:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y108546-09 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	50.0	mg/kg	1	B1H2628	KDK	08/26/2021	08/26/2021	U
Residual Range Organics (C28-C40)	ND	200	"	"	"	KDK	"	"	U
Surrogate: o-Terphenyl	80.6 %		50-150		"	"	"	"	

**GBTEX+TMBs**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B1H2621	KDK	08/26/2021	08/27/2021	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Benzene	ND	0.00200	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Toluene	<b>0.00244</b>	0.00200	"	"	"	KDK	"	"	
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.00200	"	"	"	KDK	"	"	U
Surrogate: 1,2-Dichloroethane-d4	101 %		70-130		"	"	"	"	
Surrogate: Toluene-d8	96.2 %		70-130		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	99.0 %		70-130		"	"	"	"	

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 Wheat Ridge CO 80033

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Wells Ranch AA #21-04

**SS-19@4.5'**

**8/26/2021 12:56:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y108546-10 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	50.0	mg/kg	1	B1H2628	KDK	08/26/2021	08/26/2021	U
Residual Range Organics (C28-C40)	ND	200	"	"	"	KDK	"	"	U
Surrogate: o-Terphenyl	80.8 %		50-150		"	"	"	"	

**GBTEX+TMBs**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B1H2621	KDK	08/26/2021	08/27/2021	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Benzene	ND	0.00200	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Toluene	<b>0.00244</b>	0.00200	"	"	"	KDK	"	"	
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.00200	"	"	"	KDK	"	"	U
Surrogate: 1,2-Dichloroethane-d4	99.8 %		70-130		"	"	"	"	
Surrogate: Toluene-d8	96.7 %		70-130		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	98.6 %		70-130		"	"	"	"	

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 Wheat Ridge CO 80033

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Wells Ranch AA #21-04

**SS-20@4.5'**

**8/26/2021 12:58:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y108546-11 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	50.0	mg/kg	1	B1H2628	KDK	08/26/2021	08/26/2021	U
Residual Range Organics (C28-C40)	ND	200	"	"	"	KDK	"	"	U
Surrogate: o-Terphenyl	80.9 %		50-150		"	"	"	"	

**GBTEX+TMBs**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B1H2621	KDK	08/26/2021	08/27/2021	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Benzene	ND	0.00200	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Toluene	<b>0.00312</b>	0.00200	"	"	"	KDK	"	"	
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.00200	"	"	"	KDK	"	"	U
Surrogate: 1,2-Dichloroethane-d4	101 %		70-130		"	"	"	"	
Surrogate: Toluene-d8	96.8 %		70-130		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	98.4 %		70-130		"	"	"	"	

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 Wheat Ridge CO 80033

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Wells Ranch AA #21-04

**SS-21@4.5'**

**8/26/2021 1:00:00PM**

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y108546-12 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	50.0	mg/kg	1	B1H2628	KDK	08/26/2021	08/27/2021	U
Residual Range Organics (C28-C40)	ND	200	"	"	"	KDK	"	"	U
Surrogate: o-Terphenyl	71.0 %		50-150		"	"	"	"	

**GBTEX+TMBs**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B1H2621	KDK	08/26/2021	08/27/2021	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Benzene	ND	0.00200	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Toluene	ND	0.00200	"	"	"	KDK	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.00200	"	"	"	KDK	"	"	U
Surrogate: 1,2-Dichloroethane-d4	105 %		70-130		"	"	"	"	
Surrogate: Toluene-d8	95.8 %		70-130		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	99.0 %		70-130		"	"	"	"	

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 Wheat Ridge CO 80033

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Wells Ranch AA #21-04

**SS-22@4.5'**

**8/26/2021 1:02:00PM**

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y108546-13 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	50.0	mg/kg	1	B1H2628	KDK	08/26/2021	08/27/2021	U
Residual Range Organics (C28-C40)	ND	200	"	"	"	KDK	"	"	U
Surrogate: o-Terphenyl	80.8 %		50-150						

**GBTEX+TMBs**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B1H2621	KDK	08/26/2021	08/27/2021	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Benzene	ND	0.00200	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Toluene	ND	0.00200	"	"	"	KDK	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.00200	"	"	"	KDK	"	"	U
Surrogate: 1,2-Dichloroethane-d4	106 %		70-130						
Surrogate: Toluene-d8	95.6 %		70-130						
Surrogate: 4-Bromofluorobenzene	98.1 %		70-130						

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 Wheat Ridge CO 80033

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Wells Ranch AA #21-04

**SS-23@4.5'**

**8/26/2021 1:04:00PM**

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y108546-14 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	50.0	mg/kg	1	B1H2622	KDK	08/26/2021	08/27/2021	U
Residual Range Organics (C28-C40)	ND	200	"	"	"	KDK	"	"	U
Surrogate: o-Terphenyl	78.2 %		50-150		"	"	"	"	

**GBTEX+TMBs**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B1H2621	KDK	08/26/2021	08/27/2021	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Benzene	ND	0.00200	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Toluene	ND	0.00200	"	"	"	KDK	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.00200	"	"	"	KDK	"	"	U
Surrogate: 1,2-Dichloroethane-d4	106 %		70-130		"	"	"	"	
Surrogate: Toluene-d8	95.1 %		70-130		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	98.8 %		70-130		"	"	"	"	

Origins Laboratory, Inc.



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 8000 W 44th Ave  
 Wheat Ridge CO 80033

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Wells Ranch AA #21-04

**Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B1H2621 - EPA 5030 (soil)

Blank (B1H2621-BLK1)

Prepared: 08/26/2021 Analyzed: 08/26/2021

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
Naphthalene	ND	0.00380	"							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		109	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		94.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.4	70-130			

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

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Wells Ranch AA #21-04

**Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B1H2621 - EPA 5030 (soil)

LCS (B1H2621-BS1)

Prepared: 08/26/2021 Analyzed: 08/26/2021

1,2,4-Trimethylbenzene	0.0419	0.00200	mg/kg	0.0500		83.8	70-130			
Naphthalene	0.0417	0.0100	"	0.0500		83.4	70-130			
1,3,5-Trimethylbenzene	0.0417	0.00200	"	0.0500		83.4	70-130			
Benzene	0.0466	0.00200	"	0.0500		93.2	70-130			
Ethylbenzene	0.0419	0.00200	"	0.0500		83.8	70-130			
m,p-Xylene	0.0882	0.00400	"	0.100		88.2	70-130			
o-Xylene	0.0429	0.00200	"	0.0500		85.9	70-130			
Toluene	0.0434	0.00200	"	0.0500		86.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		111	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		93.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.4	70-130			

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 8000 W 44th Ave  
 Wheat Ridge CO 80033

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Wells Ranch AA #21-04

**Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B1H2621 - EPA 5030 (soil)

Matrix Spike (B1H2621-MS1)

Source: Y108525-02

Prepared: 08/26/2021 Analyzed: 08/26/2021

1,2,4-Trimethylbenzene	0.0442	0.00200	mg/kg	0.0500		88.4	70-130			
Naphthalene	0.0365	0.0100	"	0.0500		73.0	70-130			
1,3,5-Trimethylbenzene	0.0451	0.00200	"	0.0500		90.1	70-130			
Benzene	0.0529	0.00200	"	0.0500		106	70-130			
Ethylbenzene	0.0463	0.00200	"	0.0500		92.6	70-130			
m,p-Xylene	0.0950	0.00400	"	0.100		95.0	70-130			
o-Xylene	0.0465	0.00200	"	0.0500		93.0	70-130			
Toluene	0.0466	0.00200	"	0.0500		93.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		106	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		93.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.0	70-130			

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Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Wells Ranch AA #21-04

**Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B1H2621 - EPA 5030 (soil)

Matrix Spike Dup (B1H2621-MSD1)

Source: Y108525-02

Prepared: 08/26/2021 Analyzed: 08/26/2021

1,2,4-Trimethylbenzene	0.0483	0.00200	mg/kg	0.0500		96.6	70-130	8.82	20	
Naphthalene	0.0418	0.0100	"	0.0500		83.5	70-130	13.4	20	
1,3,5-Trimethylbenzene	0.0489	0.00200	"	0.0500		97.8	70-130	8.13	20	
Benzene	0.0559	0.00200	"	0.0500		112	70-130	5.44	20	
Ethylbenzene	0.0496	0.00200	"	0.0500		99.2	70-130	6.97	20	
m,p-Xylene	0.103	0.00400	"	0.100		103	70-130	7.79	20	
o-Xylene	0.0507	0.00200	"	0.0500		101	70-130	8.56	20	
Toluene	0.0496	0.00200	"	0.0500		99.3	70-130	6.36	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		105	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		94.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.0	70-130			

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Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Wells Ranch AA #21-04

**Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B1H2627 - EPA 5030 (soil)

Blank (B1H2627-BLK1)

Prepared: 08/26/2021 Analyzed: 08/26/2021

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
Naphthalene	ND	0.00380	"							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Toluene	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Xylenes, total	ND	0.00200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		109	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		94.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.4	70-130			

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 Wheat Ridge CO 80033

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Wells Ranch AA #21-04

**Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B1H2627 - EPA 5030 (soil)

LCS (B1H2627-BS1)

Prepared: 08/26/2021 Analyzed: 08/26/2021

1,2,4-Trimethylbenzene	0.0419	0.00200	mg/kg	0.0500		83.8	70-130			
Naphthalene	0.0417	0.0100	"	0.0500		83.4	70-130			
1,3,5-Trimethylbenzene	0.0417	0.00200	"	0.0500		83.4	70-130			
Benzene	0.0466	0.00200	"	0.0500		93.2	70-130			
Ethylbenzene	0.0419	0.00200	"	0.0500		83.8	70-130			
m,p-Xylene	0.0882	0.00400	"	0.100		88.2	70-130			
o-Xylene	0.0429	0.00200	"	0.0500		85.9	70-130			
Toluene	0.0434	0.00200	"	0.0500		86.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		111	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		93.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.4	70-130			

Origins Laboratory, Inc.

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Jordan A. Merrill For Noelle Doyle Mathis, President

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

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Wells Ranch AA #21-04

**Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B1H2627 - EPA 5030 (soil)

Matrix Spike (B1H2627-MS1)

Source: Y108541-02

Prepared: 08/26/2021 Analyzed: 08/26/2021

1,2,4-Trimethylbenzene	0.0427	0.00200	mg/kg	0.0500	0.000200	85.0	70-130			
Naphthalene	0.0398	0.0100	"	0.0500	0.00154	76.6	70-130			
1,3,5-Trimethylbenzene	0.0419	0.00200	"	0.0500	0.000160	83.4	70-130			
Benzene	0.0471	0.00200	"	0.0500	ND	94.2	70-130			
Ethylbenzene	0.0494	0.00200	"	0.0500	ND	98.8	70-130			
m,p-Xylene	0.0998	0.00400	"	0.100	ND	99.8	70-130			
o-Xylene	0.0514	0.00200	"	0.0500	ND	103	70-130			
Toluene	0.0464	0.00200	"	0.0500	ND	92.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		93.4	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		110	70-130			

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 Wheat Ridge CO 80033

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Wells Ranch AA #21-04

**Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B1H2627 - EPA 5030 (soil)

Matrix Spike Dup (B1H2627-MSD1)

Source: Y108541-02

Prepared: 08/26/2021 Analyzed: 08/26/2021

1,2,4-Trimethylbenzene	0.0373	0.00200	mg/kg	0.0500	0.000200	74.2	70-130	13.4	20	
Naphthalene	0.0361	0.0100	"	0.0500	0.00154	69.0	70-130	9.91	20	QM-07
1,3,5-Trimethylbenzene	0.0363	0.00200	"	0.0500	0.000160	72.3	70-130	14.2	20	
Benzene	0.0454	0.00200	"	0.0500	ND	90.9	70-130	3.63	20	
Ethylbenzene	0.0424	0.00200	"	0.0500	ND	84.8	70-130	15.3	20	
m,p-Xylene	0.0861	0.00400	"	0.100	ND	86.1	70-130	14.8	20	
o-Xylene	0.0443	0.00200	"	0.0500	ND	88.7	70-130	14.7	20	
Toluene	0.0436	0.00200	"	0.0500	ND	87.2	70-130	6.26	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		95.5	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		104	70-130			

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Wheat Ridge CO 80033

Martin C Eckert III  
Project Number: [none]  
Project: Noble - Wells Ranch AA #21-04

**Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B1H2628 - EPA 3550B

Blank (B1H2628-BLK1)

Prepared: 08/26/2021 Analyzed: 08/26/2021

Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	23		"	25.0		91.5	50-150			

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Wheat Ridge CO 80033

Martin C Eckert III  
Project Number: [none]  
Project: Noble - Wells Ranch AA #21-04

**Extractable Petroleum Hydrocarbons by 8015D - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B1H2628 - EPA 3550B

LCS (B1H2628-BS1)

Prepared: 08/26/2021 Analyzed: 08/26/2021

Diesel (C10-C28)	992	50.0	mg/kg	1000		99.2	70-130			
Residual Range Organics (C28-C40)	968	200	"	1000		96.8	70-130			
Surrogate: o-Terphenyl	48		"	50.0		96.6	50-150			

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 Wheat Ridge CO 80033

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Wells Ranch AA #21-04

**Extractable Petroleum Hydrocarbons by 8015D - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B1H2628 - EPA 3550B

Matrix Spike (B1H2628-MS1)

Source: Y108541-02

Prepared: 08/26/2021 Analyzed: 08/26/2021

Diesel (C10-C28)	1030	50.0	mg/kg	1000	ND	103	70-130			
Residual Range Organics (C28-C40)	994	200	"	1000	ND	99.4	70-130			
Surrogate: o-Terphenyl	50		"	50.0		100	50-150			

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Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Wells Ranch AA #21-04

**Extractable Petroleum Hydrocarbons by 8015D - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B1H2628 - EPA 3550B**

**Matrix Spike Dup (B1H2628-MSD1)**

**Source: Y108541-02**

Prepared: 08/26/2021 Analyzed: 08/26/2021

Diesel (C10-C28)	984	50.0	mg/kg	1000	ND	98.4	70-130	4.68	35	
Residual Range Organics (C28-C40)	968	200	"	1000	ND	96.8	70-130	2.68	35	
Surrogate: o-Terphenyl	46		"	50.0		91.2	50-150			

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Martin C Eckert III  
Project Number: [none]  
Project: Noble - Wells Ranch AA #21-04

## Notes and Definitions

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

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