



August 22, 2024

Eagle Environmental Consulting, LLC

Grace Congdon

8000 W 44th Ave

Wheat Ridge CO 80033

**Project Name - Noble - Wells Ranch
#AA35-62-1AHNC**

Project Number - [none]

Attached are your analytical results for Noble - Wells Ranch #AA35-62-1AHNC received by Origins Laboratory, Inc. August 06, 2024. This project is associated with Origins project number Y408168-01.

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, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Grace Congdon
 Project Number: [none]
 Project: Noble - Wells Ranch #AA35-62-1AHNC

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-01@7.5-10'	Y408168-01	Soil	August 6, 2024 10:49	08/06/2024 17:46
SB-01@15-17.5'	Y408168-02	Soil	August 6, 2024 11:05	08/06/2024 17:46
SB-02@7.5-10'	Y408168-03	Soil	August 6, 2024 12:33	08/06/2024 17:46
SB-02@10-12.5'	Y408168-04	Soil	August 6, 2024 12:40	08/06/2024 17:46
SB-03@7.5-10'	Y408168-05	Soil	August 6, 2024 12:12	08/06/2024 17:46
SB-03@10-12.5'	Y408168-06	Soil	August 6, 2024 12:19	08/06/2024 17:46
SB-04@7.5-10'	Y408168-07	Soil	August 6, 2024 11:40	08/06/2024 17:46
SB-04@10-12.5'	Y408168-08	Soil	August 6, 2024 11:44	08/06/2024 17:46
SB-05@7.5-10'	Y408168-09	Soil	August 6, 2024 11:59	08/06/2024 17:46
SB-05@10-12.5'	Y408168-10	Soil	August 6, 2024 12:00	08/06/2024 17:46

Origins Laboratory, Inc.



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

Grace Congdon
 Project Number: [none]
 Project: Noble - Wells Ranch #AA35-62-1AHNC

ORIGINS
 LABORATORY, INC

408123

Page 1 of 1

11725 Elk Place Denver, Co 80221 | 303.433.3322 | originslab.com | Temp Received -


Received On Ice? Yes No

Field Sample Recovery Only

Turnaround Time
 48 Hr 72 Hr
 Standard SAME DAY

Client: Eagle Environmental Consulting
 Project Manager: Grace Congdon
 Key: W=Water
 Address: 8000 W 44th Ave
 Project Name: Wells Ranch #AA35-62-1AHNC
 Telephone Number: 303-433-3322
 Project Number: 408123
 GIL/Groundwater
 S/S=Surface Water
 W/W=Waste Water
 Email Address: grace@originslab.com
 Invoice/Billing Info: Wells Ranch to Eagle
 Collected By: RS

#	Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix Preservative	Analysis		Comments
						GC/MS	GC/MS	
1	SR-016 75-10'	8/11/24	1049	3	S	X	X	
2	SR-016 15-17.5'	11/05				X	X	
3	SR-016 17.5-20'	11/23				X	X	
4	SR-016 20-22.5'	12/10				X	X	
5	SR-016 22.5-25'	12/20				X	X	
6	SR-016 25-27.5'	12/29				X	X	
7	SR-016 27.5-30'	11/10				X	X	
8	SR-016 30-32.5'	11/14				X	X	
9	SR-016 32.5-35'	11/29				X	X	
10	SR-016 35-37.5'	12/02				X	X	

Origins Laboratory, Inc.


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LABORATORY, INC

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

Grace Congdon
 Project Number: [none]
 Project: Noble - Wells Ranch #AA35-62-1AHNC

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

Sample Receipt Checklist

Origins Work Order: 440462 Client: Eagle
 Client Project ID: Wells Ranch

Checklist Completed by: [Signature] Shipped Via: TVO
 Date/Time Completed: 5/7/24 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Airbill #: N/A

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

Cooler Number/Temperature: L12 °C _____ °C _____ °C (Describe) _____ °C

Thermometer ID: 1005

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

Reviewed by (Project Manager) [Signature]

Date/Time Reviewed 5/8/24

Origins Laboratory, Inc.

[Signature]

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Jordan A. Bynon, Project Manager

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

Grace Congdon
 Project Number: [none]
 Project: Noble - Wells Ranch #AA35-62-1AHNC

SB-01@7.5-10'
8/6/2024 10:49:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y408168-01 (Soil)

DRO/ORO by EPA 8015D


Diesel (C10-C28)	ND	25.0	mg/kg	1	B4H0901	ZZZ	08/09/2024	08/13/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U
Surrogate: o-Terphenyl	80.7%		50-150		"	"	"	"	

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4H0739	ZZZ	08/07/2024	08/08/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Benzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Toluene	ND	0.00200	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.00200	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	ZZZ	"	"	U
Surrogate: 1,2-Dichloroethane-d4	108%		70-130		"	"	"	"	
Surrogate: Toluene-d8	100%		70-130		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	110%		70-130		"	"	"	"	

Table 915 metals by EPA 6020B

Arsenic	5.86	0.263	mg/kg	10	B4H0729	HJD	08/07/2024	08/09/2024	
Barium	380	9.06	"	"	"	HJD	"	"	

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

Grace Congdon
 Project Number: [none]
 Project: Noble - Wells Ranch #AA35-62-1AHNC

SB-01@15-17.5'
8/6/2024 11:05:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y408168-02 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4H0901	ZZZ	08/09/2024	08/13/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U
Surrogate: o-Terphenyl	82.5 %		50-150		"	"	"	"	

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4H0739	ZZZ	08/07/2024	08/08/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Benzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Toluene	ND	0.00200	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.00200	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	ZZZ	"	"	U
Surrogate: 1,2-Dichloroethane-d4	107 %		70-130		"	"	"	"	
Surrogate: Toluene-d8	100 %		70-130		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	109 %		70-130		"	"	"	"	

Table 915 metals by EPA 6020B

Arsenic	2.01	0.269	mg/kg	10	B4H0729	HJD	08/07/2024	08/09/2024	
Barium	59.2	9.28	"	"	"	HJD	"	"	

Origins Laboratory, Inc.

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

Grace Congdon
 Project Number: [none]
 Project: Noble - Wells Ranch #AA35-62-1AHNC

SB-02@7.5-10'
8/6/2024 12:33:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y408168-03 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4H0901	ZZZ	08/09/2024	08/13/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U
Surrogate: o-Terphenyl	82.2 %		50-150		"	"	"	"	

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4H0739	ZZZ	08/07/2024	08/08/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Benzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Toluene	ND	0.00200	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.00200	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	ZZZ	"	"	U
Surrogate: 1,2-Dichloroethane-d4	107 %		70-130		"	"	"	"	
Surrogate: Toluene-d8	101 %		70-130		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	111 %		70-130		"	"	"	"	

Table 915 metals by EPA 6020B

Arsenic	4.99	0.286	mg/kg	10	B4H0729	HJD	08/07/2024	08/09/2024	
Barium	57.7	9.85	"	"	"	HJD	"	"	

Origins Laboratory, Inc.

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Jordan A. Bynon, Project Manager

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

Grace Congdon
 Project Number: [none]
 Project: Noble - Wells Ranch #AA35-62-1AHNC

SB-02@10-12.5'
8/6/2024 12:40:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y408168-04 (Soil)

DRO/ORO by EPA 8015D


Diesel (C10-C28)	ND	25.0	mg/kg	1	B4H0901	ZZZ	08/09/2024	08/13/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U
Surrogate: o-Terphenyl	82.1%		50-150		"	"	"	"	

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4H0739	ZZZ	08/07/2024	08/08/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Benzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Toluene	ND	0.00200	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.00200	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	ZZZ	"	"	U
Surrogate: 1,2-Dichloroethane-d4	109%		70-130		"	"	"	"	
Surrogate: Toluene-d8	102%		70-130		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	110%		70-130		"	"	"	"	

Table 915 metals by EPA 6020B

Arsenic	3.09	0.279	mg/kg	10	B4H0729	HJD	08/07/2024	08/09/2024	
Barium	50.2	9.64	"	"	"	HJD	"	"	

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

Grace Congdon
 Project Number: [none]
 Project: Noble - Wells Ranch #AA35-62-1AHNC

SB-03@7.5-10'
8/6/2024 12:12:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y408168-05 (Soil)

DRO/ORO by EPA 8015D


Diesel (C10-C28)	ND	25.0	mg/kg	1	B4H0901	ZZZ	08/09/2024	08/13/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U
Surrogate: o-Terphenyl	81.2 %		50-150		"	"	"	"	

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4H0739	ZZZ	08/07/2024	08/08/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Benzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Toluene	ND	0.00200	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.00200	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	ZZZ	"	"	U
Surrogate: 1,2-Dichloroethane-d4	109 %		70-130		"	"	"	"	
Surrogate: Toluene-d8	103 %		70-130		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	107 %		70-130		"	"	"	"	

Table 915 metals by EPA 6020B

Arsenic	2.92	0.277	mg/kg	10	B4H0729	HJD	08/07/2024	08/09/2024	
Barium	24.6	9.54	"	"	"	HJD	"	"	

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

Grace Congdon
 Project Number: [none]
 Project: Noble - Wells Ranch #AA35-62-1AHNC

SB-03@10-12.5'
8/6/2024 12:19:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y408168-06 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4H0901	ZZZ	08/09/2024	08/13/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U
Surrogate: o-Terphenyl	84.0%		50-150		"	"	"	"	

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4H0739	ZZZ	08/07/2024	08/08/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Benzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Toluene	ND	0.00200	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.00200	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	ZZZ	"	"	U
Surrogate: 1,2-Dichloroethane-d4	107%		70-130		"	"	"	"	
Surrogate: Toluene-d8	99.9%		70-130		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	113%		70-130		"	"	"	"	

Table 915 metals by EPA 6020B

Arsenic	3.62	0.259	mg/kg	10	B4H0734	HJD	08/07/2024	08/09/2024	
Barium	20.3	8.93	"	"	"	HJD	"	"	

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

Grace Congdon
 Project Number: [none]
 Project: Noble - Wells Ranch #AA35-62-1AHNC

SB-04@7.5-10'
8/6/2024 11:40:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y408168-07 (Soil)

DRO/ORO by EPA 8015D


Diesel (C10-C28)	ND	25.0	mg/kg	1	B4H0901	ZZZ	08/09/2024	08/13/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U
Surrogate: o-Terphenyl	84.3%		50-150		"	"	"	"	

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4H0739	ZZZ	08/07/2024	08/08/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Benzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Toluene	ND	0.00200	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.00200	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	ZZZ	"	"	U
Surrogate: 1,2-Dichloroethane-d4	110%		70-130		"	"	"	"	
Surrogate: Toluene-d8	101%		70-130		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	107%		70-130		"	"	"	"	

Table 915 metals by EPA 6020B

Arsenic	3.11	0.277	mg/kg	10	B4H0734	HJD	08/07/2024	08/09/2024	
Barium	48.9	9.54	"	"	"	HJD	"	"	

Origins Laboratory, Inc.


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

Grace Congdon
 Project Number: [none]
 Project: Noble - Wells Ranch #AA35-62-1AHNC

SB-04@10-12.5'
8/6/2024 11:44:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y408168-08 (Soil)

DRO/ORO by EPA 8015D


Diesel (C10-C28)	ND	25.0	mg/kg	1	B4H0901	ZZZ	08/09/2024	08/13/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U
Surrogate: o-Terphenyl	83.8 %		50-150		"	"	"	"	

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4H0739	ZZZ	08/07/2024	08/08/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Benzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Toluene	ND	0.00200	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.00200	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	ZZZ	"	"	U
Surrogate: 1,2-Dichloroethane-d4	108 %		70-130		"	"	"	"	
Surrogate: Toluene-d8	100 %		70-130		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	111 %		70-130		"	"	"	"	

Table 915 metals by EPA 6020B

Arsenic	3.06	0.279	mg/kg	10	B4H0734	HJD	08/07/2024	08/09/2024	
Barium	57.9	9.63	"	"	"	HJD	"	"	

Origins Laboratory, Inc.


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

Grace Congdon
 Project Number: [none]
 Project: Noble - Wells Ranch #AA35-62-1AHNC

SB-05@7.5-10'
8/6/2024 11:59:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y408168-09 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4H0901	ZZZ	08/09/2024	08/13/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U
Surrogate: o-Terphenyl	83.7%		50-150		"	"	"	"	

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4H0739	ZZZ	08/07/2024	08/08/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Benzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Toluene	ND	0.00200	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.00200	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4	109%		70-130		"	"	"	"	
Surrogate: Toluene-d8	101%		70-130		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	109%		70-130		"	"	"	"	

Table 915 metals by EPA 6020B

Arsenic	2.09	0.253	mg/kg	10	B4H0734	HJD	08/07/2024	08/09/2024	
Barium	44.1	8.72	"	"	"	HJD	"	"	

Origins Laboratory, Inc.

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

Grace Congdon
 Project Number: [none]
 Project: Noble - Wells Ranch #AA35-62-1AHNC

SB-05@10-12.5'
8/6/2024 12:00:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y408168-10 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4H0901	ZZZ	08/09/2024	08/13/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U
Surrogate: o-Terphenyl	98.3 %		50-150		"	"	"	"	

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4H0739	ZZZ	08/07/2024	08/08/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Benzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Toluene	ND	0.00200	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.00200	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	ZZZ	"	"	U
Surrogate: 1,2-Dichloroethane-d4	104 %		70-130		"	"	"	"	
Surrogate: Toluene-d8	99.3 %		70-130		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	113 %		70-130		"	"	"	"	

Table 915 metals by EPA 6020B

Arsenic	2.81	0.251	mg/kg	10	B4H0734	HJD	08/07/2024	08/09/2024	
Barium	56.5	8.65	"	"	"	HJD	"	"	

Origins Laboratory, Inc.

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Jordan A. Bynon, Project Manager



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

Grace Congdon
 Project Number: [none]
 Project: Noble - Wells Ranch #AA35-62-1AHNC

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 B4H0739 - EPA 5030 (soil)

Blank (B4H0739-BLK1)

Prepared: 08/07/2024 Analyzed: 08/08/2024

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		88.5	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		106	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		114	70-130			

Origins Laboratory, Inc.

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Jordan A. Bynon, Project Manager



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

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

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 B4H0739 - EPA 5030 (soil)

LCS (B4H0739-BS1)

Prepared: 08/07/2024 Analyzed: 08/08/2024

1,2,4-Trimethylbenzene	0.0927	0.00200	mg/kg	0.100		92.7	70-130			
1,3,5-Trimethylbenzene	0.0898	0.00200	"	0.100		89.8	70-130			
Benzene	0.0875	0.00200	"	0.100		87.5	70-130			
Ethylbenzene	0.0980	0.00200	"	0.100		98.0	70-130			
Naphthalene	0.0949	0.00380	"	0.100		94.9	70-130			
Toluene	0.0899	0.00200	"	0.100		89.9	70-130			
o-Xylene	0.0955	0.00200	"	0.100		95.5	70-130			
m,p-Xylene	0.194	0.00400	"	0.200		97.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		99.9	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		103	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		106	70-130			

Origins Laboratory, Inc.

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Jordan A. Bynon, Project Manager



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

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

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 B4H0739 - EPA 5030 (soil)

Matrix Spike (B4H0739-MS1)

Source: Y408159-01

Prepared: 08/07/2024 Analyzed: 08/08/2024

1,2,4-Trimethylbenzene	0.102	0.00200	mg/kg	0.100	0.00230	99.6	70-130			
1,3,5-Trimethylbenzene	0.0990	0.00200	"	0.100	0.00108	98.0	70-130			
Benzene	0.0961	0.00200	"	0.100	ND	96.1	70-130			
Ethylbenzene	0.110	0.00200	"	0.100	ND	110	70-130			
Naphthalene	0.0984	0.00380	"	0.100	0.00180	96.6	70-130			
Toluene	0.0978	0.00200	"	0.100	ND	97.8	70-130			
o-Xylene	0.108	0.00200	"	0.100	ND	108	70-130			
m,p-Xylene	0.218	0.00400	"	0.200	ND	109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		99.9	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		103	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		108	70-130			

Origins Laboratory, Inc.

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Jordan A. Bynon, Project Manager



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

Grace Congdon
 Project Number: [none]
 Project: Noble - Wells Ranch #AA35-62-1AHNC

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 B4H0739 - EPA 5030 (soil)

Matrix Spike Dup (B4H0739-MSD1)

Source: Y408159-01

Prepared: 08/07/2024 Analyzed: 08/08/2024

1,2,4-Trimethylbenzene	0.0892	0.00200	mg/kg	0.100	0.00230	86.9	70-130	13.2	20	
1,3,5-Trimethylbenzene	0.0861	0.00200	"	0.100	0.00108	85.0	70-130	14.0	20	
Benzene	0.0872	0.00200	"	0.100	ND	87.2	70-130	9.72	20	
Ethylbenzene	0.0960	0.00200	"	0.100	ND	96.0	70-130	13.2	20	
Naphthalene	0.0927	0.00380	"	0.100	0.00180	90.9	70-130	5.99	20	
Toluene	0.0872	0.00200	"	0.100	ND	87.2	70-130	11.5	20	
o-Xylene	0.0948	0.00200	"	0.100	ND	94.8	70-130	12.6	20	
m,p-Xylene	0.191	0.00400	"	0.200	ND	95.6	70-130	13.2	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		102	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		108	70-130			

Origins Laboratory, Inc.

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

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

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 B4H0901 - EPA 3550B

Blank (B4H0901-BLK1)

Prepared: 08/09/2024 Analyzed: 08/13/2024

Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	21		"	24.9		84.4	50-150			

Origins Laboratory, Inc.

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Jordan A. Bynon, Project Manager



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

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

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 B4H0901 - EPA 3550B

LCS (B4H0901-BS1)

Prepared: 08/09/2024 Analyzed: 08/13/2024

Diesel (C10-C28)	1010	50.0	mg/kg	1000	101	70-130				
Residual Range Organics (C28-C40)	1030	200	"	1000	103	70-130				
Surrogate: o-Terphenyl	59		"	49.8	119	50-150				

Origins Laboratory, Inc.

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Jordan A. Bynon, Project Manager



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

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

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 B4H0901 - EPA 3550B

Matrix Spike (B4H0901-MS1)

Source: Y408168-01

Prepared: 08/09/2024 Analyzed: 08/13/2024

Diesel (C10-C28)	942	50.0	mg/kg	1000	ND	94.2	70-130			
Residual Range Organics (C28-C40)	977	200	"	1000	ND	97.7	70-130			
Surrogate: o-Terphenyl	49		"	49.8		99.3	50-150			

Origins Laboratory, Inc.

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Jordan A. Bynon, Project Manager



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

Grace Congdon
 Project Number: [none]
 Project: Noble - Wells Ranch #AA35-62-1AHNC

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 B4H0901 - EPA 3550B

Matrix Spike Dup (B4H0901-MSD1)

Source: Y408168-01

Prepared: 08/09/2024 Analyzed: 08/13/2024

Diesel (C10-C28)	953	50.0	mg/kg	1000	ND	95.3	70-130	1.16	35	
Residual Range Organics (C28-C40)	973	200	"	1000	ND	97.3	70-130	0.389	35	
Surrogate: o-Terphenyl	48		"	49.8		96.8	50-150			

Origins Laboratory, Inc.

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Jordan A. Bynon, Project Manager



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

Grace Congdon
 Project Number: [none]
 Project: Noble - Wells Ranch #AA35-62-1AHNC

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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Metals by EPA 6000/7000 Series Methods - 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 B4H0729 - EPA 3050B

Blank (B4H0729-BLK1)

Prepared: 08/07/2024 Analyzed: 08/09/2024

Arsenic	ND	0.290	mg/kg							
Barium	ND	10.0	"							

LCS (B4H0729-BS1)

Prepared: 08/07/2024 Analyzed: 08/09/2024

Arsenic	4.89	0.290	mg/kg	5.00		97.8	80-120			
Barium	517	10.0	"	500		103	80-120			

Matrix Spike (B4H0729-MS1)

Source: Y408168-01

Prepared: 08/07/2024 Analyzed: 08/09/2024

Arsenic	11.1	0.272	mg/kg	4.70	5.86	112	75-125			
Barium	632	9.39	"	470	380	53.7	75-125			QM-07

Matrix Spike Dup (B4H0729-MSD1)

Source: Y408168-01

Prepared: 08/07/2024 Analyzed: 08/09/2024

Arsenic	13.5	0.272	mg/kg	4.69	5.86	163	75-125	19.3	20	QM-07
Barium	603	9.39	"	469	380	47.6	75-125	4.73	20	QM-07

Batch B4H0734 - EPA 3050B

Blank (B4H0734-BLK1)

Prepared: 08/07/2024 Analyzed: 08/09/2024

Arsenic	ND	0.290	mg/kg							
Barium	ND	10.0	"							

LCS (B4H0734-BS1)

Prepared: 08/07/2024 Analyzed: 08/09/2024

Arsenic	4.84	0.290	mg/kg	5.00		96.8	80-120			
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Origins Laboratory, Inc.

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Jordan A. Bynon, Project Manager



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

Grace Congdon
 Project Number: [none]
 Project: Noble - Wells Ranch #AA35-62-1AHNC

Metals by EPA 6000/7000 Series Methods - 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 B4H0734 - EPA 3050B

LCS (B4H0734-BS1)

Prepared: 08/07/2024 Analyzed: 08/09/2024

Barium 523 10.0 mg/kg 500 105 80-120

Matrix Spike (B4H0734-MS1)

Source: Y408168-06

Prepared: 08/07/2024 Analyzed: 08/09/2024

Arsenic 8.18 0.279 mg/kg 4.81 3.62 95.0 75-125

Barium 530 9.61 " 481 20.3 106 75-125

Matrix Spike Dup (B4H0734-MSD1)

Source: Y408168-06

Prepared: 08/07/2024 Analyzed: 08/09/2024

Arsenic 7.65 0.250 mg/kg 4.31 3.62 93.4 75-125 6.79 20

Barium 467 8.62 " 431 20.3 104 75-125 12.6 20

Origins Laboratory, Inc.

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Jordan A. Bynon, Project Manager

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

Grace Congdon
Project Number: [none]
Project: Noble - Wells Ranch #AA35-62-1AHNC

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.

Origins Laboratory, Inc.



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