



April 16, 2021

Eagle Environmental Consulting, Inc.

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Dinner #6-34

Project Number - 425777561

Attached are your analytical results for Noble - Dinner #6-34 received by Origins Laboratory, Inc. April 08, 2021. This project is associated with Origins project number Y104150-01.

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: 425777561
Project: Noble - Dinner #6-34

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-SS-01@4'	Y104150-01	Soil	April 5, 2021 11:55	04/08/2021 15:05
TB-SS-06@0-0.5'	Y104150-02	Soil	April 5, 2021 12:22	04/08/2021 15:05

Origins Laboratory, Inc.



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 8000 W 44th Ave
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Martin C Eckert III
 Project Number: 425777561
 Project: Noble - Dinner #6-34

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

Sample Receipt Checklist

Origins Work Order: Y104150 Client: Eagle
 Checklist Completed by: SGKDK Client Project ID: dinner
 Date/time completed: 04/08/21 Shipped Via: HD
 (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 / 4.2 °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 ⁽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 Na ₂ CO ₃ +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: jm (Project Manager) Date/Time Reviewed: 4-9-21

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Martin C Eckert III
 Project Number: 425777561
 Project: Noble - Dinner #6-34

TB-SS-01@4'
4/5/2021 11:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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AAL, Inc.
Y104150-01 (Soil)

Boron (Sorbitol)

Boron	0.1			mg/L	1	[none]	04/12/2021	04/14/2021	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B1D0909	04/09/2021	04/09/2021	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	63.9 %		50-150			"	"	"	
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GBTEX+TMBs

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B1D0908	04/09/2021	04/12/2021	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	102 %		70-130			"	"	"	
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 Project: Noble - Dinner #6-34

TB-SS-01@4'
4/5/2021 11:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y104150-01 (Soil)

GBTEX+TMBs

Surrogate: Toluene-d8	95.1 %		70-130			B1D09 08	04/09/2021	04/12/2021	
Surrogate: 4-Bromofluorobenzene	95.4 %		70-130			"	"	"	

Metals (Saturated Paste Prep)

Calcium	2.07			me/L	1	[none]	04/12/2021	04/14/2021	
Magnesium	0.74			"	"	"	"	"	
Sodium	0.34			"	"	"	"	"	

PAH by EPA 8270D SIM

1-Methylnaphthalene	ND	0.00048	0.00067	mg/Kg	1	L547059	04/14/2021	04/14/2021	
2-Methylnaphthalene	ND	0.000542	0.00067	"	"	"	"	"	
Acenaphthene	ND	0.000431	0.00067	"	"	"	"	"	
Anthracene	ND	0.000426	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000441	0.00067	"	"	"	"	"	
Benzo(a)pyrene	0.000217	0.000133	0.00067	"	"	"	"	"	J
Benzo(b)fluoranthene	ND	0.000138	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000486	0.00067	"	"	"	"	"	
Chrysene	ND	0.000256	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000279	0.00067	"	"	"	"	"	
Fluoranthene	ND	0.000529	0.00067	"	"	"	"	"	

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TB-SS-01@4'
4/5/2021 11:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.
Y104150-01 (Soil)

PAH by EPA 8270D SIM

Fluorene	ND	0.000501	0.00067	mg/Kg	1	L547059	04/14/2021	04/14/2021	
Indeno(1,2,3-cd)pyrene	ND	0.000344	0.00067	"	"	"	"	"	
Naphthalene	ND	0.000467	0.00067	"	"	"	"	"	
Pyrene	ND	0.000387	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	46.8 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	62.2 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	42 %		29-110			"	"	"	

pH in Soil by EPA 9045D

pH	7.06			pH Units	1	B1D1214	04/12/2021	04/12/2021	
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SAR by 20B Saturated Paste

SAR	0.29				1	[none]	04/12/2021	04/14/2021	
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	0.327		0.00500	mmhos/cm	1	B1D1215	04/12/2021	04/12/2021	
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Martin C Eckert III
 Project Number: 425777561
 Project: Noble - Dinner #6-34

TB-SS-06@0-0.5'
4/5/2021 12:22:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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AAL, Inc.
Y104150-02 (Soil)

Boron (Sorbitol)

Boron	0.3			mg/L	1	[none]	04/12/2021	04/14/2021	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B1D0909	04/09/2021	04/09/2021	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	65.3 %		50-150			"	"	"	
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GBTEX+TMBs

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B1D0908	04/09/2021	04/12/2021	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	0.00560		0.00200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	103 %		70-130			"	"	"	
Surrogate: Toluene-d8	95.6 %		70-130			"	"	"	

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TB-SS-06@0-0.5'
4/5/2021 12:22:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y104150-02 (Soil)

GBTEX+TMBs

Surrogate: 4-Bromofluorobenzene 96.0 % 70-130 B1D09 08 04/09/2021 04/12/2021

Metals (Saturated Paste Prep)

Calcium	1.26			me/L	1	[none]	04/12/2021	04/14/2021	
Magnesium	0.48			"	"	"	"	"	
Sodium	0.31			"	"	"	"	"	

PAH by EPA 8270D SIM

1-Methylnaphthalene	ND	0.00048	0.00067	mg/Kg	1	L547059	04/14/2021	04/14/2021	
2-Methylnaphthalene	ND	0.000542	0.00067	"	"	"	"	"	
Acenaphthene	ND	0.000431	0.00067	"	"	"	"	"	
Anthracene	ND	0.000426	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000441	0.00067	"	"	"	"	"	
Benzo(a)pyrene	0.000601	0.000133	0.00067	"	"	"	"	"	J
Benzo(b)fluoranthene	0.000745	0.000138	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000486	0.00067	"	"	"	"	"	
Chrysene	0.000613	0.000256	0.00067	"	"	"	"	"	J
Dibenz(a,h)anthracene	ND	0.000279	0.00067	"	"	"	"	"	
Fluoranthene	0.00083	0.000529	0.00067	"	"	"	"	"	
Fluorene	ND	0.000501	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	0.00047	0.000344	0.00067	"	"	"	"	"	J

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TB-SS-06@0-0.5'
4/5/2021 12:22:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.
Y104150-02 (Soil)

PAH by EPA 8270D SIM

Naphthalene	ND	0.000467	0.00067	mg/Kg	1	L547059	04/14/2021	04/14/2021	
Pyrene	0.000917	0.000387	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	55.7 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	69.6 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	47.6 %		29-110			"	"	"	

pH in Soil by EPA 9045D

pH	4.34			pH Units	1	B1D1214	04/12/2021	04/12/2021	
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SAR by 20B Saturated Paste

SAR	0.33				1	[none]	04/12/2021	04/14/2021	
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	0.282		0.00500	mmhos/cm	1	B1D1215	04/12/2021	04/12/2021	
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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 B1D0908 - EPA 5030 (soil)

Blank (B1D0908-BLK1)

Prepared: 04/09/2021 Analyzed: 04/09/2021

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
Naphthalene	ND	0.0100	"							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125	99.4		70-130			
Surrogate: Toluene-d8	0.13		"	0.125	100		70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125	97.7		70-130			

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 Project: Noble - Dinner #6-34

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 B1D0908 - EPA 5030 (soil)

LCS (B1D0908-BS1)

Prepared: 04/09/2021 Analyzed: 04/09/2021

1,2,4-Trimethylbenzene	0.0572	0.00200	mg/kg	0.0500		114	70-130			
Naphthalene	0.0559	0.0100	"	0.0500		112	70-130			
1,3,5-Trimethylbenzene	0.0570	0.00200	"	0.0500		114	70-130			
Benzene	0.0539	0.00200	"	0.0500		108	70-130			
Ethylbenzene	0.0554	0.00200	"	0.0500		111	70-130			
m,p-Xylene	0.110	0.00400	"	0.100		110	70-130			
o-Xylene	0.0567	0.00200	"	0.0500		113	70-130			
Toluene	0.0531	0.00200	"	0.0500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		97.4	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		100	70-130			

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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 B1D0908 - EPA 5030 (soil)

Matrix Spike (B1D0908-MS1)	Source: Y104141-01			Prepared: 04/09/2021 Analyzed: 04/09/2021						
1,2,4-Trimethylbenzene	0.0579	0.00200	mg/kg	0.0500	ND	116	70-130			
Naphthalene	0.0607	0.0100	"	0.0500	ND	121	70-130			
1,3,5-Trimethylbenzene	0.0565	0.00200	"	0.0500	ND	113	70-130			
Benzene	0.0534	0.00200	"	0.0500	ND	107	70-130			
Ethylbenzene	0.0551	0.00200	"	0.0500	ND	110	70-130			
m,p-Xylene	0.110	0.00400	"	0.100	ND	110	70-130			
o-Xylene	0.0545	0.00200	"	0.0500	ND	109	70-130			
Toluene	0.0528	0.00200	"	0.0500	ND	106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		101	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.0	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	70-130			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B1D0908 - EPA 5030 (soil)

Matrix Spike Dup (B1D0908-MSD1)	Source: Y104141-01			Prepared: 04/09/2021 Analyzed: 04/09/2021						
1,2,4-Trimethylbenzene	0.0545	0.00200	mg/kg	0.0500	ND	109	70-130	5.94	20	
Naphthalene	0.0578	0.0100	"	0.0500	ND	116	70-130	4.86	20	
1,3,5-Trimethylbenzene	0.0537	0.00200	"	0.0500	ND	107	70-130	4.97	20	
Benzene	0.0515	0.00200	"	0.0500	ND	103	70-130	3.59	20	
Ethylbenzene	0.0569	0.00200	"	0.0500	ND	114	70-130	3.32	20	
m,p-Xylene	0.115	0.00400	"	0.100	ND	115	70-130	3.99	20	
o-Xylene	0.0582	0.00200	"	0.0500	ND	116	70-130	6.56	20	
Toluene	0.0509	0.00200	"	0.0500	ND	102	70-130	3.66	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		98.4	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		104	70-130			

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Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B1D0909 - EPA 3550B										
Blank (B1D0909-BLK1)										
					Prepared: 04/09/2021 Analyzed: 04/09/2021					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	18		"	25.0		73.8	50-150			

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 Project: Noble - Dinner #6-34

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 B1D0909 - EPA 3550B

LCS (B1D0909-BS1)

Prepared: 04/09/2021 Analyzed: 04/09/2021

Diesel (C10-C28)	928	50.0	mg/kg	1000		92.8	70-130			
Residual Range Organics (C28-C40)	885	200	"	1000		88.5	70-130			
Surrogate: o-Terphenyl	39		"	50.0		78.1	50-150			

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: 425777561
 Project: Noble - Dinner #6-34

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 B1D0909 - EPA 3550B

Matrix Spike (B1D0909-MS1)	Source: Y104141-01			Prepared: 04/09/2021 Analyzed: 04/09/2021						
Diesel (C10-C28)	930	50.0	mg/kg	1000	ND	93.0	70-130			
Residual Range Organics (C28-C40)	879	200	"	1000	ND	87.9	70-130			
Surrogate: o-Terphenyl	37		"	50.0		74.7	50-150			

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 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: 425777561
 Project: Noble - Dinner #6-34

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
Batch B1D0909 - EPA 3550B										
Matrix Spike Dup (B1D0909-MSD1)		Source: Y104141-01			Prepared: 04/09/2021 Analyzed: 04/09/2021					
Diesel (C10-C28)	867	50.0	mg/kg	1000	ND	86.7	70-130	6.96	35	
Residual Range Organics (C28-C40)	812	200	"	1000	ND	81.2	70-130	7.83	35	
Surrogate: o-Terphenyl	34		"	50.0		68.4	50-150			

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Martin C Eckert III
 Project Number: 425777561
 Project: Noble - Dinner #6-34

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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Saturated Paste - 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 B1D1214 - NO PREP

Duplicate (B1D1214-DUP1)

Source: Y104141-01

Prepared: 04/12/2021 Analyzed: 04/12/2021

pH	7.23		pH Units		7.15			1.11	25	
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Batch B1D1215 - NO PREP

Blank (B1D1215-BLK1)

Prepared: 04/12/2021 Analyzed: 04/12/2021

Specific Conductance (EC)	0.00210	0.00500	mmhos/cm							
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Duplicate (B1D1215-DUP1)

Source: Y104141-01

Prepared: 04/12/2021 Analyzed: 04/12/2021

Specific Conductance (EC)	0.243	0.00500	mmhos/cm		0.237			2.42	25	
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 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: 425777561
 Project: Noble - Dinner #6-34

PAH by EPA 8270D SIM - Quality Control
Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L547059 - 3550B

MSD (L 90686-MSD-L547059)		Source: Y104150-01			Prepared: 04/14/2021 Analyzed: 04/14/2021					
Chrysene	0.119	0.000256	mg/Kg	0.165	<0.000256	72.1	30-130	0.8	30	
1-Methylnaphthalene	0.1	0.00048	"	0.165	<0.000480	60.6	30-130	2.1	30	
2-Methylnaphthalene	0.101	0.000542	"	0.165	<0.000542	61.2	30-130	3.6	30	
Acenaphthene	0.115	0.000431	"	0.165	<0.000431	69.6	30-130	2.6	30	
Anthracene	0.119	0.000426	"	0.165	<0.000426	72.1	30-130	0.8	30	
Benzo(a)anthracene	0.109	0.000441	"	0.165	<0.000441	66	30-130	1.8	30	
Pyrene	0.118	0.000387	"	0.165	<0.000387	71.5	30-130	0.8	30	
Naphthalene	0.0939	0.000467	"	0.165	<0.000467	56.9	30-130	2.3	30	
Indeno(1,2,3-cd)pyrene	0.0918	0.000344	"	0.165	<0.000344	55.6	30-130	7.6	30	
Fluorene	0.117	0.000501	"	0.165	<0.000501	70.9	30-130	2.5	30	
Fluoranthene	0.117	0.000529	"	0.165	<0.000529	70.9	30-130	2.5	30	
Dibenz(a,h)anthracene	0.0997	0.000279	"	0.165	<0.000279	60.4	30-130	7	30	
Benzo(b)fluoranthene	0.0868	0.000138	"	0.165	<0.000138	52.6	30-130	6.2	30	
Benzo(k)fluoranthene	0.106	0.000486	"	0.165	<0.000486	64.2	30-130	0	30	
Benzo(a)pyrene	0.119	0.000133	"	0.165	0.000217	72.1	30-130	0	30	
Surrogate: 2-Fluorobiphenyl	58.1		"	0.33	156	58.1	33-115			
Surrogate: 4-Terphenyl-d14	60.9		"	0.33	207	60.9	33-122			
Surrogate: Nitrobenzene-d5	49.6		"	0.33	140	49.6	29-110			

MS (L 90686-MS-L547059)		Source: Y104150-01			Prepared: 04/14/2021 Analyzed: 04/14/2021					
Benzo(a)pyrene	0.119	0.000133	mg/Kg	0.163	0.000217	73	30-130			
Chrysene	0.118	0.000256	"	0.163	<0.000256	72.3	30-130			
Pyrene	0.119	0.000387	"	0.163	<0.000387	73	30-130			
Naphthalene	0.0917	0.000467	"	0.163	<0.000467	56.2	30-130			
Indeno(1,2,3-cd)pyrene	0.0991	0.000344	"	0.163	<0.000344	60.7	30-130			
Fluorene	0.114	0.000501	"	0.163	<0.000501	69.9	30-130			
Fluoranthene	0.12	0.000529	"	0.163	<0.000529	73.6	30-130			

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: 425777561
 Project: Noble - Dinner #6-34

PAH by EPA 8270D SIM - Quality Control
Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L547059 - 3550B

MS (L 90686-MS-L547059)		Source: Y104150-01			Prepared: 04/14/2021 Analyzed: 04/14/2021					
Dibenz(a,h)anthracene	0.107	0.000279	mg/Kg	0.163	<0.000279	65.6	30-130			
Benzo(b)fluoranthene	0.0924	0.000138	"	0.163	<0.000138	56.6	30-130			
Benzo(a)anthracene	0.111	0.000441	"	0.163	<0.000441	68	30-130			
Anthracene	0.118	0.000426	"	0.163	<0.000426	72.3	30-130			
Acenaphthene	0.112	0.000431	"	0.163	<0.000431	68.7	30-130			
2-Methylnaphthalene	0.0974	0.000542	"	0.163	<0.000542	59.7	30-130			
Benzo(k)fluoranthene	0.106	0.000486	"	0.163	<0.000486	65	30-130			
1-Methylnaphthalene	0.0979	0.00048	"	0.163	<0.000480	60	30-130			
Surrogate: Nitrobenzene-d5	49.2		"	0.327	140	49.2	29-110			
Surrogate: 2-Fluorobiphenyl	57.7		"	0.327	156	57.7	33-115			
Surrogate: 4-Terphenyl-d14	62.6		"	0.327	207	62.6	33-122			

LCS (LCS-L547059)		Prepared: 04/14/2021 Analyzed: 04/14/2021								
Dibenz(a,h)anthracene	0.0972	0.000279	mg/Kg	0.167		58.2	30-130			
Fluoranthene	0.125	0.000529	"	0.167		74.8	30-130			
Pyrene	0.126	0.000387	"	0.167		75.4	30-130			
Fluorene	0.117	0.000501	"	0.167		70	30-130			
Indeno(1,2,3-cd)pyrene	0.0959	0.000344	"	0.167		57.4	30-130			
Chrysene	0.121	0.000256	"	0.167		72.4	30-130			
Naphthalene	0.093	0.000467	"	0.167		55.6	30-130			
Benzo(b)fluoranthene	0.103	0.000138	"	0.167		61.6	30-130			
Benzo(a)pyrene	0.119	0.000133	"	0.167		71.2	30-130			
Benzo(a)anthracene	0.116	0.000441	"	0.167		69.4	30-130			
Acenaphthene	0.114	0.000431	"	0.167		68.2	30-130			
2-Methylnaphthalene	0.0992	0.000542	"	0.167		59.4	30-130			
1-Methylnaphthalene	0.0989	0.00048	"	0.167		59.2	30-130			
Anthracene	0.124	0.000426	"	0.167		74.2	30-130			

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Martin C Eckert III
 Project Number: 425777561
 Project: Noble - Dinner #6-34

PAH by EPA 8270D SIM - Quality Control
Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L547059 - 3550B

LCS (LCS-L547059)

Prepared: 04/14/2021 Analyzed: 04/14/2021

Benzo(k)fluoranthene	0.123	0.000486	mg/Kg	0.167		73.6	30-130			
Surrogate: Nitrobenzene-d5	53.1		"	0.333		53.1	29-110			
Surrogate: 4-Terphenyl-d14	67.8		"	0.333		67.8	33-122			
Surrogate: 2-Fluorobiphenyl	59.4		"	0.333		59.4	33-115			

LRB (LRB-L547059)

Prepared: 04/14/2021 Analyzed: 04/14/2021

Chrysene	ND	0.00067	mg/Kg				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Naphthalene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00067	"				-			
Pyrene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
Surrogate: Nitrobenzene-d5	53.7		"	0.333		53.7	29-110			
Surrogate: 4-Terphenyl-d14	63.9		"	0.333		63.9	33-122			
Surrogate: 2-Fluorobiphenyl	60.9		"	0.333		60.9	33-115			

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8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: 425777561
Project: Noble - Dinner #6-34

Notes and Definitions

- U Sample is Non-Detect.
- J Estimated Value. Analyte below reported quantitation limit.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- All soil results are reported on a wet weight basis.

Origins Laboratory, Inc.



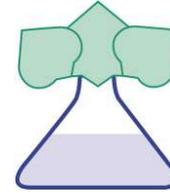
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American Agricultural Laboratory, Inc.

700 West D Street / PO Box 370 / McCook, Nebraska 69001

Office: 308-345-3670 / FAX: 308-345-7880

www.AmAgLab.com



95029

ORIGINS LABORATORY INC

1725 ELK PLACE

DENVER CO 80211

NAME : ORIGINS

DATE RECEIVED: 04/12/2021

DATE REPORTED: 04/14/2021

SOIL TEST RESULTS

LAB NUMBER	FIELD IDENTIFICATION	SAMPLE IDENTIFICATION	Depth Inches	pH		EL	SOLUBLE SALTS mod. SP mmhos/cm	OM LOI %	NITRATE-N (FIA)		PHOSPHORUS						
				1 : 1 Soil	Buffer Woodruff				ppm	lbs/A	P1 ppm	Bicarb ppm	P2 ppm	M2 ppm	M3 ppm		
3331147	Y104150	01	0-8														
3331148	Y104150	02	0-8														

LAB NUMBER	SULFATE-S Ca-P ppm	NH4OAc (Exchangeable)				DTPA				BORON Sorbitol ppm	EST. CATION EXCHANGE CAPACITY (CEC) me/100g	% SATURATION						
		K ppm	Ca ppm	Mg ppm	Na ppm	Zn ppm	Fe ppm	Mn ppm	Cu ppm			BASE	H	Ca	Mg	K	Na	
3331147										0.1								
3331148										0.3								

LAB NUMBER	SOLUBLE (SAT. EXT.)			SODIUM ADSORPTION RATIO (SAR)	EXCH. SODIUM PERCENT (ESP)	GYPSUM REQ T/A	PARTICLE SIZE ANALYSIS				CHLORIDE		EXCH. NH4-N		ALUMINUM ppm	TOTAL N %
	Ca me/L	Mg me/L	Na me/L				SAND %	SILT %	CLAY %	SOIL TEXTURE		ppm	lbs/A	ppm		
3331147	2.07	0.74	0.34	0.29	1	0										
3331148	1.26	0.48	0.31	0.33	1	0										

SUGGESTED FERTILIZER RECOMMENDATIONS

LAB NUMBER	FIELD IDENTIFICATION	SAMPLE IDENTIFICATION	CROP TO BE GROWN	YIELD GOAL	N	P2O5	K2O	S	Zn	MgO	Fe	Mn	Cu	B	Cl	LIME REC 60% ECCE T/A
3331147	Y104150	01														
3331148	Y104150	02														

Approved By: Bob Olsen

Analysis By: American Agricultural Lab

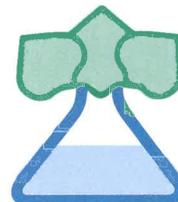
Recommendations By: American Agricultural Lab

American Agricultural Laboratory, Inc.

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ORIGINS LABORATORY INC
1725 ELK PLACE
DENVER, CO 80211

DATE RECEIVED: 4/12/2021
DATE REPORTED: 4/14/2021
ACCOUNT NO: 95029
GROWER: ORIGINS

SOIL BORON REPORT

Lab #	Field ID	Sample ID	B, mg/L
3331147	Y104150	1	0.1
3331148	Y104150	2	0.3

Pat Olson

Method Used:

Provin, T., and H. Zhang. 2014. DTPA and DTPA-Sorbitol Extraction of Micronutrients.
Soil Test Methods From the Southeastern United States 2014



Your Lab's letterhead here...

Address

City, St. Zip

Phone/Fax

SUBCONTRACT ORDER

Sending Laboratory:

Origins Laboratory, Inc.
 1725 West Elk Place
 Denver, CO 80211
 Phone: 303.433.1322
 Fax: 303.265.9645

Project Manager: Noelle Doyle Mathis

Subcontracted Laboratory:

American Agricultural Laboratory, Inc
 210 East 1st Street
 McCook, NE 69001
 Phone: (308) 345-3670
 Fax: (308) 345-7880

Work Order: Y104150

Analysis	Due	Expires	Comments
Sample ID: Y104150-01 Soil Sampled: 04/05/2021 11:55			
SAR (Saturated Paste Prep)	04/16/2021	04/06/2021 11:55	
Boron (DTPA Sorbitol)	04/16/2021	04/06/2021 11:55	
<i>Containers Supplied:</i>			
Sample ID: Y104150-02 Soil Sampled: 04/05/2021 12:22			
SAR (Saturated Paste Prep)	04/16/2021	04/06/2021 12:22	
Boron (DTPA Sorbitol)	04/16/2021	04/06/2021 12:22	
<i>Containers Supplied:</i>			

APR 12 2021

Released By  Date 4/9/21 Received By  Date 4/12/21