



June 17, 2021

Eagle Environmental Consulting, Inc.

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Werning #7-2B

Project Number - [none]

Attached are your analytical results for Noble - Werning #7-2B received by Origins Laboratory, Inc. June 08, 2021. This project is associated with Origins project number Y106189-01.

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 - Werning #7-2B

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-SS-01@3.5'	Y106189-01	Soil	June 8, 2021 11:00	06/08/2021 15:45

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 - Werning #7-2B

Origins Laboratory

F-012207-01-R1

Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: Y06189

Client: Eagle/Noble

Client Project ID: Werning 1-2B

Checklist Completed by: Jm

Shipped Via: HD

Date/time completed: 6/19/21

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Airbill #: N/A

Matrix(s) Received: (Check all that apply)

☒ Soil/Solid

☐ Water

☐ Other

(Describe)

Cooler Number/Temperature: 1, 1.8 °C

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⁾ ?	<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 type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input type="checkbox"/>	<input checked="" 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 instrument used in comments) (preservation is not confirmed for subcooled analytes in order to insure sample integrity) (pH ≤ 2 for samples preserved with HNO3, HCL, H2SO4) (pH > 10 for samples preserved with NaAsO2+NaOH, ZnAc+NaOH)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" 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): Jm

Date/Time Reviewed: 6-10-21

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Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Werning #7-2B

WH-SS-01@3.5'
6/8/2021 11:00:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y106189-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.0198	0.0989	mg/kg	1	B1F1018	ZZZ	06/10/2021	06/10/2021	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	50.0	mg/kg	1	B1F1005	TEM	06/10/2021	06/10/2021	U
Residual Range Organics (C28-C40)	ND	200	"	"	"	TEM	"	"	U

Surrogate: o-Terphenyl	72.9 %	50-150	"	"	"	"	"	"	
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GBTEX+TMBS

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B1F0917	TEM	06/09/2021	06/10/2021	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	TEM	"	"	U
Benzene	ND	0.00200	"	"	"	TEM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	TEM	"	"	U
Toluene	ND	0.00200	"	"	"	TEM	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	TEM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	TEM	"	"	U

Surrogate: 1,2-Dichloroethane-d4	115 %	70-130	"	"	"	"	"	"	
Surrogate: Toluene-d8	83.7 %	70-130	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	77.0 %	70-130	"	"	"	"	"	"	

Metals by Saturated Paste

Origins Laboratory, Inc.

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WH-SS-01@3.5'
6/8/2021 11:00:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y106189-01 (Soil)

Metals by Saturated Paste

Calcium	0.956		meq/L	1	[CALC]	CJM	06/10/2021	06/11/2021	
Magnesium	0.512		"	"	"	CJM	"	"	
Sodium	1.10		"	"	"	CJM	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00335	mg/Kg	5	L557994		06/11/2021	06/11/2021	
2-Methylnaphthalene	ND	0.00335	"	"	"		"	"	
Acenaphthene	ND	0.00335	"	"	"		"	"	
Anthracene	ND	0.00335	"	"	"		"	"	
Benzo(a)anthracene	ND	0.00335	"	"	"		"	"	
Benzo(a)pyrene	ND	0.00335	"	"	"		"	"	
Benzo(b)fluoranthene	ND	0.00335	"	"	"		"	"	
Benzo(k)fluoranthene	ND	0.00335	"	"	"		"	"	
Chrysene	ND	0.00335	"	"	"		"	"	
Dibenz(a,h)anthracene	ND	0.00335	"	"	"		"	"	
Fluoranthene	ND	0.00335	"	"	"		"	"	
Fluorene	ND	0.00335	"	"	"		"	"	
Indeno(1,2,3-cd)pyrene	ND	0.00335	"	"	"		"	"	
Naphthalene	ND	0.00335	"	"	"		"	"	
Pyrene	ND	0.00335	"	"	"		"	"	

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WH-SS-01@3.5'
6/8/2021 11:00:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.
Y106189-01 (Soil)

PAH by 8270D SIM

Surrogate: 2-Fluorobiphenyl	75.8 %	33-115			L5579 94		06/11/2021	06/11/2021	
Surrogate: 4-Terphenyl-d14	79.1 %	33-122			"	"	"	"	"
Surrogate: Nitrobenzene-d5	56.1 %	29-110			"	"	"	"	"

pH in Soil by EPA 9045D

pH	8.06	pH Units	1	B1F1025	DJL	06/10/2021	06/15/2021		
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SAR by 20B Saturated Paste

SAR	1.28	SAR	1	B1F1027	CJM	06/10/2021	06/11/2021		
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	0.290	0.00500 mmhos/cm	1	B1F1026	DJL	06/10/2021	06/15/2021		
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Project Number: [none]
Project: Noble - Werning #7-2B

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 B1F0917 - EPA 5030 (soil)

Blank (B1F0917-BLK1)

Prepared: 06/09/2021 Analyzed: 06/10/2021

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	0.13		"	0.125		105	70-130			
Surrogate: Toluene-d8	0.14		"	0.125		112	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	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 B1F0917 - EPA 5030 (soil)

LCS (B1F0917-BS1)

Prepared: 06/09/2021 Analyzed: 06/10/2021

1,2,4-Trimethylbenzene	0.0592	0.00200	mg/kg	0.0500		118	70-130			
Naphthalene	0.0540	0.0100	"	0.0500		108	70-130			
1,3,5-Trimethylbenzene	0.0594	0.00200	"	0.0500		119	70-130			
Benzene	0.0466	0.00200	"	0.0500		93.2	70-130			
Ethylbenzene	0.0591	0.00200	"	0.0500		118	70-130			
m,p-Xylene	0.118	0.00400	"	0.100		118	70-130			
o-Xylene	0.0554	0.00200	"	0.0500		111	70-130			
Toluene	0.0549	0.00200	"	0.0500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		112	70-130			
Surrogate: Toluene-d8	0.14		"	0.125		111	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		102	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 B1F0917 - EPA 5030 (soil)

Matrix Spike (B1F0917-MS1)

Source: Y106178-01

Prepared: 06/09/2021 Analyzed: 06/10/2021

1,2,4-Trimethylbenzene	0.0622	0.00200	mg/kg	0.0500	ND	124	70-130			
Naphthalene	0.0503	0.0100	"	0.0500	0.00162	97.3	70-130			
1,3,5-Trimethylbenzene	0.0626	0.00200	"	0.0500	ND	125	70-130			
Benzene	0.0500	0.00200	"	0.0500	ND	100	70-130			
Ethylbenzene	0.0618	0.00200	"	0.0500	ND	124	70-130			
m,p-Xylene	0.124	0.00400	"	0.100	ND	124	70-130			
o-Xylene	0.0580	0.00200	"	0.0500	ND	116	70-130			
Toluene	0.0584	0.00200	"	0.0500	ND	117	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		107	70-130			
Surrogate: Toluene-d8	0.14		"	0.125		111	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		102	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 B1F0917 - EPA 5030 (soil)

Matrix Spike Dup (B1F0917-MSD1)

Source: Y106178-01

Prepared: 06/09/2021 Analyzed: 06/10/2021

1,2,4-Trimethylbenzene	0.0541	0.00200	mg/kg	0.0500	ND	108	70-130	13.8	20	
Naphthalene	0.0437	0.0100	"	0.0500	0.00162	84.2	70-130	14.0	20	
1,3,5-Trimethylbenzene	0.0547	0.00200	"	0.0500	ND	109	70-130	13.5	20	
Benzene	0.0447	0.00200	"	0.0500	ND	89.4	70-130	11.1	20	
Ethylbenzene	0.0550	0.00200	"	0.0500	ND	110	70-130	11.5	20	
m,p-Xylene	0.110	0.00400	"	0.100	ND	110	70-130	11.9	20	
o-Xylene	0.0515	0.00200	"	0.0500	ND	103	70-130	11.9	20	
Toluene	0.0517	0.00200	"	0.0500	ND	103	70-130	12.2	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		106	70-130			
Surrogate: Toluene-d8	0.14		"	0.125		111	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		103	70-130			

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Project: Noble - Werning #7-2B

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 B1F1005 - EPA 3550B

Blank (B1F1005-BLK1)

Prepared: 06/10/2021 Analyzed: 06/11/2021

Diesel (C10-C28)	ND	50.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	200	"							U
Surrogate: o-Terphenyl	41		"	50.0		81.7	50-150			

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Martin C Eckert III

Project Number: [none]

Project: Noble - Werning #7-2B

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 B1F1005 - EPA 3550B

LCS (B1F1005-BS1)

Prepared: 06/10/2021 Analyzed: 06/10/2021

Diesel (C10-C28)	990	50.0	mg/kg	1000	99.0	70-130
Residual Range Organics (C28-C40)	951	200	"	1000	95.1	70-130
Surrogate: o-Terphenyl	44		"	50.0	88.2	50-150

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Project: Noble - Werning #7-2B

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 B1F1005 - EPA 3550B

Matrix Spike (B1F1005-MS1)

Source: Y106200-01

Prepared: 06/10/2021 Analyzed: 06/10/2021

Diesel (C10-C28)	1020	50.0	mg/kg	1000	ND	102	70-130			
Residual Range Organics (C28-C40)	1020	200	"	1000	56.5	96.2	70-130			
Surrogate: o-Terphenyl	42		"	50.0		83.1	50-150			

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Extractable Petroleum Hydrocarbons by 8015D - Quality Control
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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 B1F1005 - EPA 3550B

Matrix Spike Dup (B1F1005-MSD1)

Source: Y106200-01

Prepared: 06/10/2021 Analyzed: 06/10/2021

Diesel (C10-C28)	1050	50.0	mg/kg	1000	ND	105	70-130	2.87	35	
Residual Range Organics (C28-C40)	1110	200	"	1000	56.5	105	70-130	8.44	35	
Surrogate: o-Terphenyl	42		"	50.0		84.6	50-150			

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Martin C Eckert III
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Project: Noble - Werning #7-2B

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 B1F1025 - NO PREP

Duplicate (B1F1025-DUP1)

Source: Y106247-02

Prepared: 06/10/2021 Analyzed: 06/15/2021

pH	8.14		pH Units	8.13		0.123	25
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Batch B1F1026 - NO PREP

Blank (B1F1026-BLK1)

Prepared: 06/10/2021 Analyzed: 06/15/2021

Specific Conductance (EC)	0.00360	0.00500	mmhos/cm
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Duplicate (B1F1026-DUP1)

Source: Y106247-02

Prepared: 06/10/2021 Analyzed: 06/15/2021

Specific Conductance (EC)	1.75	0.00500	mmhos/cm	1.84		4.67	25
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Martin C Eckert III
Project Number: [none]
Project: Noble - Werning #7-2B

PAH by 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 L557994 - 3550B

MSD (L 93801-MSD-L557994)

Source: 93801

Prepared: 06/11/2021 Analyzed: 06/11/2021

Chrysene	0.106	0.000256	mg/Kg	0.166	<0.000256	63.8	30-130	21.8	30	
1-Methylnaphthalene	0.0968	0.00048	"	0.166	<0.000480	58.3	30-130	31.5	30	
2-Methylnaphthalene	0.0974	0.000542	"	0.166	<0.000542	58.6	30-130	30.9	30	
Acenaphthene	0.1	0.000431	"	0.166	<0.000431	60.2	30-130	26	30	
Anthracene	0.11	0.000426	"	0.166	<0.000426	66.2	30-130	28.1	30	
Benzo(a)anthracene	0.104	0.000441	"	0.166	<0.000441	62.6	30-130	29.5	30	
Pyrene	0.115	0.000387	"	0.166	0.000413	69.2	30-130	25	30	
Benzo(b)fluoranthene	0.0834	0.000138	"	0.166	<0.000138	50.2	30-130	35.1	30	
Naphthalene	0.0895	0.000467	"	0.166	<0.000467	53.9	30-130	28.2	30	
Indeno(1,2,3-cd)pyrene	0.0894	0.000344	"	0.166	<0.000344	53.8	30-130	39.2	30	
Fluorene	0.106	0.000501	"	0.166	<0.000501	63.8	30-130	27.6	30	
Fluoranthene	0.117	0.000529	"	0.166	<0.000529	70.4	30-130	25.3	30	
Dibenz(a,h)anthracene	0.0956	0.000279	"	0.166	<0.000279	57.5	30-130	34.8	30	
Benzo(k)fluoranthene	0.0866	0.000486	"	0.166	<0.000486	52.1	30-130	21	30	
Benzo(a)pyrene	0.104	0.000133	"	0.166	<0.000133	62.6	30-130	28	30	
Surrogate: 2-Fluorobiphenyl	76.2		"	0.332	220	76.2	33-115			
Surrogate: 4-Terphenyl-d14	78		"	0.332	231	78	33-122			
Surrogate: Nitrobenzene-d5	61.7		"	0.332	165	61.7	29-110			

MS (L 93801-MS-L557994)

Source: 93801

Prepared: 06/11/2021 Analyzed: 06/11/2021

Benzo(b)fluoranthene	0.119	0.000138	mg/Kg	0.166	<0.000138	71.6	30-130			
Dibenz(a,h)anthracene	0.136	0.000279	"	0.166	<0.000279	81.9	30-130			
Pyrene	0.148	0.000387	"	0.166	0.000413	89.1	30-130			
Naphthalene	0.119	0.000467	"	0.166	<0.000467	71.6	30-130			
Indeno(1,2,3-cd)pyrene	0.133	0.000344	"	0.166	<0.000344	80.1	30-130			
Fluorene	0.14	0.000501	"	0.166	<0.000501	84.3	30-130			
Fluoranthene	0.151	0.000529	"	0.166	<0.000529	90.9	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: [none]
Project: Noble - Werning #7-2B

PAH by 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 L557994 - 3550B

MS (L 93801-MS-L557994)

Source: 93801

Prepared: 06/11/2021 Analyzed: 06/11/2021

2-Methylnaphthalene	0.133	0.000542	mg/Kg	0.166	<0.000542	80.1	30-130			
Benzo(a)pyrene	0.138	0.000133	"	0.166	<0.000133	83.1	30-130			
Benzo(a)anthracene	0.14	0.000441	"	0.166	<0.000441	84.3	30-130			
Anthracene	0.146	0.000426	"	0.166	<0.000426	87.9	30-130			
Acenaphthene	0.13	0.000431	"	0.166	<0.000431	78.3	30-130			
Benzo(k)fluoranthene	0.107	0.000486	"	0.166	<0.000486	64.4	30-130			
1-Methylnaphthalene	0.133	0.00048	"	0.166	<0.000480	80.1	30-130			
Chrysene	0.132	0.000256	"	0.166	<0.000256	79.5	30-130			
Surrogate: Nitrobenzene-d5	63.4		"	0.331	165	63.4	29-110			
Surrogate: 4-Terphenyl-d14	74.6		"	0.331	231	74.6	33-122			
Surrogate: 2-Fluorobiphenyl	76.4		"	0.331	220	76.4	33-115			

LCS (LCS-L557994)

Prepared: 06/11/2021 Analyzed: 06/11/2021

Dibenz(a,h)anthracene	0.125	0.000279	mg/Kg	0.167		74.8	30-130			
Fluoranthene	0.151	0.000529	"	0.167		90.4	30-130			
Fluorene	0.141	0.000501	"	0.167		84.4	30-130			
Indeno(1,2,3-cd)pyrene	0.117	0.000344	"	0.167		70	30-130			
Naphthalene	0.118	0.000467	"	0.167		70.6	30-130			
Pyrene	0.148	0.000387	"	0.167		88.6	30-130			
Acenaphthene	0.131	0.000431	"	0.167		78.4	30-130			
Chrysene	0.137	0.000256	"	0.167		82	30-130			
Benzo(b)fluoranthene	0.116	0.000138	"	0.167		69.4	30-130			
Benzo(a)pyrene	0.138	0.000133	"	0.167		82.6	30-130			
Anthracene	0.146	0.000426	"	0.167		87.4	30-130			
2-Methylnaphthalene	0.131	0.000542	"	0.167		78.4	30-130			
1-Methylnaphthalene	0.131	0.00048	"	0.167		78.4	30-130			
Benzo(a)anthracene	0.137	0.000441	"	0.167		82	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: [none]
Project: Noble - Werning #7-2B

PAH by 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 L557994 - 3550B

LCS (LCS-L557994)

Prepared: 06/11/2021 Analyzed: 06/11/2021

Benzo(k)fluoranthene	0.105	0.000486	mg/Kg	0.167	62.8	30-130
Surrogate: Nitrobenzene-d5	61.2	"	"	0.333	61.2	29-110
Surrogate: 4-Terphenyl-d14	76.2	"	"	0.333	76.2	33-122
Surrogate: 2-Fluorobiphenyl	75.6	"	"	0.333	75.6	33-115

LRB (LRB-L557994)

Prepared: 06/11/2021 Analyzed: 06/11/2021

Pyrene	ND	0.00067	mg/Kg	-	-	-
Dibenz(a,h)anthracene	ND	0.00067	"	-	-	-
Fluoranthene	ND	0.00067	"	-	-	-
Fluorene	ND	0.00067	"	-	-	-
Indeno(1,2,3-cd)pyrene	ND	0.00067	"	-	-	-
Chrysene	ND	0.00067	"	-	-	-
Acenaphthene	ND	0.00067	"	-	-	-
Naphthalene	ND	0.00067	"	-	-	-
Benzo(k)fluoranthene	ND	0.00067	"	-	-	-
Benzo(b)fluoranthene	ND	0.00067	"	-	-	-
Benzo(a)pyrene	ND	0.00067	"	-	-	-
Anthracene	ND	0.00067	"	-	-	-
2-Methylnaphthalene	ND	0.00067	"	-	-	-
1-Methylnaphthalene	ND	0.00067	"	-	-	-
Benzo(a)anthracene	ND	0.00067	"	-	-	-
Surrogate: Nitrobenzene-d5	51.9	"	"	0.333	51.9	29-110
Surrogate: 4-Terphenyl-d14	71.1	"	"	0.333	71.1	33-122
Surrogate: 2-Fluorobiphenyl	69	"	"	0.333	69	33-115

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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 - Werning #7-2B

Notes and Definitions

U Sample is Non-Detect.

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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Jordan A. Merrill For Noelle Doyle Mathis, President