



April 14, 2022

Eagle Environmental Consulting, Inc.

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Branch #1-3

Project Number - [none]

Attached are your analytical results for Noble - Branch #1-3 received by Origins Laboratory, Inc. April 01, 2022. This project is associated with Origins project number Y204018-01.

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 - Branch #1-3

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-FS-01@6'	Y204018-01	Soil	April 1, 2022 8:00	04/01/2022 13:20

Origins Laboratory, Inc.

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Jordan A. Bynon 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 - Branch #1-3

Origins Laboratory

F-012207-01-R1

Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order:

YZ04016

Client:

Eagle

Client Project ID:

Branch 1-3

Checklist Completed by:

JG

Shipped Via:

HD

Date/time completed:

4/1/22

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

Airbill #:

N/A

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

X

Soil/Solid

Water

Other:

(Describe)

Cooler Number/Temperature:

1

4.4 °C

°C

°C

°C

Thermometer ID:

1004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<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 type="checkbox"/>	<input checked="" 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 ensure 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)	<input type="checkbox"/>	<input checked="" 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 in the additional comments (above) and the case narrative.

Reviewed by (Project Manager)

Date/Time Reviewed

Origins Laboratory, Inc.

J. Bynon

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Jordan A. Bynon 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 - Branch #1-3

WH-FS-01@6'

4/1/2022 8:00:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Y204018-01 (Soil)
Origins Laboratory, Inc.

Boron (DTPA Sorbitol)

Boron	0.809	0.0987	mg/L	1	B2D0402	KAP	04/04/2022	04/05/2022	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	34.9	25.0	mg/kg	1	B2D0603	ZZZ	04/06/2022	04/12/2022	
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Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U
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Surrogate: o-Terphenyl	102 %	50-150	"	"	"	"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2D0509	ZZZ	04/05/2022	04/08/2022	U
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1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
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Benzene	ND	0.00200	"	"	"	ZZZ	"	"	U
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Ethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
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Toluene	ND	0.00200	"	"	"	ZZZ	"	"	U
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Xylenes, total	ND	0.00200	"	"	"	ZZZ	"	"	U
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Gasoline Range Hydrocarbons	ND	0.200	"	"	"	ZZZ	"	"	U
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Surrogate: 1,2-Dichloroethane-d4	115 %	70-130	"	"	"	"	"	"	
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Surrogate: Toluene-d8	95.0 %	70-130	"	"	"	"	"	"	
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Surrogate: 4-Bromofluorobenzene	99.6 %	70-130	"	"	"	"	"	"	
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Metals by Saturated Paste by EPA 6010

Origins Laboratory, Inc.

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Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Branch #1-3

WH-FS-01@6'

4/1/2022 8:00:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Y204018-01 (Soil)
Origins Laboratory, Inc.

Metals by Saturated Paste by EPA 6010

Calcium	7.88	0.499	meq/L	10	[CALC]	KAP	04/04/2022	04/05/2022	
Magnesium	5.54	0.823	"	"	"	KAP	"	"	
Sodium	6.45	0.435	"	"	"	KAP	"	"	

pH in Soil by 9045D

pH	7.67		pH Units	1	B2D0415	ACC	04/04/2022	04/05/2022	
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SAR by 20B Saturated Paste

SAR	2.49		SAR	1	B2D0405	KAP	04/04/2022	04/05/2022	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.78	0.00500	mmhos/cm	1	B2D0414	ACC	04/04/2022	04/05/2022	
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Waypoint Analytical, Inc.

PAH by 8270D SIM

1-Methylnaphthalene	0.000553	0.00067	mg/Kg	1	L608881		04/05/2022	04/06/2022	J
2-Methylnaphthalene	0.000679	0.00067	"	"	"		"	"	
Acenaphthene	ND	0.00067	"	"	"		"	"	
Anthracene	ND	0.00067	"	"	"		"	"	
Benzo(a)anthracene	ND	0.00067	"	"	"		"	"	

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WH-FS-01@6'

4/1/2022 8:00:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Y204018-01 (Soil)

Waypoint Analytical, Inc.

PAH by 8270D SIM

Benzo(a)pyrene	ND	0.00067	mg/Kg	1	L608881		04/05/2022	04/06/2022	
Benzo(b)fluoranthene	ND	0.00067	"	"	"		"	"	
Benzo(k)fluoranthene	ND	0.00067	"	"	"		"	"	
Chrysene	ND	0.00067	"	"	"		"	"	
Dibenz(a,h)anthracene	ND	0.00067	"	"	"		"	"	
Fluoranthene	0.000414	0.00067	"	"	"		"	"	J
Fluorene	ND	0.00067	"	"	"		"	"	
Indeno(1,2,3-cd)pyrene	ND	0.00067	"	"	"		"	"	
Naphthalene	0.000484	0.00067	"	"	"		"	"	J
Pyrene	ND	0.00067	"	"	"		"	"	
Surrogate: 2-Fluorobiphenyl	61.9 %	33-115	"	"	"		"	"	
Surrogate: 4-Terphenyl-d14	66.8 %	33-122	"	"	"		"	"	
Surrogate: Nitrobenzene-d5	60.1 %	29-110	"	"	"		"	"	

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Project Number: [none]
Project: Noble - Branch #1-3

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 B2D0509 - EPA 5030 (soil)

Blank (B2D0509-BLK1)

Prepared: 04/05/2022 Analyzed: 04/08/2022

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	0.0100	"							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		110	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		95.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.1	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 B2D0509 - EPA 5030 (soil)

LCS (B2D0509-BS1)

Prepared: 04/05/2022 Analyzed: 04/08/2022

1,2,4-Trimethylbenzene	0.105	0.00200	mg/kg	0.100	105	70-130
1,3,5-Trimethylbenzene	0.104	0.00200	"	0.100	104	70-130
Benzene	0.106	0.00200	"	0.100	106	70-130
Ethylbenzene	0.0971	0.00200	"	0.100	97.1	70-130
Naphthalene	0.114	0.0100	"	0.100	114	70-130
Toluene	0.101	0.00200	"	0.100	101	70-130
o-Xylene	0.103	0.00200	"	0.100	103	70-130
m,p-Xylene	0.200	0.00400	"	0.200	100	70-130
Surrogate: 1,2-Dichloroethane-d4	0.14	"	"	0.125	109	70-130
Surrogate: Toluene-d8	0.12	"	"	0.125	98.0	70-130
Surrogate: 4-Bromofluorobenzene	0.12	"	"	0.125	99.6	70-130

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Project: Noble - Branch #1-3

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 B2D0509 - EPA 5030 (soil)

Matrix Spike (B2D0509-MS1)

Source: Y203824-01

Prepared: 04/05/2022 Analyzed: 04/08/2022

1,2,4-Trimethylbenzene	0.117	0.00200	mg/kg	0.100	ND	117	70-130
1,3,5-Trimethylbenzene	0.117	0.00200	"	0.100	ND	117	70-130
Benzene	0.115	0.00200	"	0.100	ND	115	70-130
Ethylbenzene	0.108	0.00200	"	0.100	ND	108	70-130
Naphthalene	0.100	0.0100	"	0.100	ND	100	70-130
Toluene	0.109	0.00200	"	0.100	ND	109	70-130
o-Xylene	0.113	0.00200	"	0.100	ND	113	70-130
m,p-Xylene	0.227	0.00400	"	0.200	ND	113	70-130
Surrogate: 1,2-Dichloroethane-d4	0.13	"	"	0.125		105	70-130
Surrogate: Toluene-d8	0.12	"	"	0.125		97.6	70-130
Surrogate: 4-Bromofluorobenzene	0.12	"	"	0.125		98.8	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 B2D0509 - EPA 5030 (soil)

Matrix Spike Dup (B2D0509-MSD1)

Source: Y203824-01

Prepared: 04/05/2022 Analyzed: 04/08/2022

1,2,4-Trimethylbenzene	0.109	0.00200	mg/kg	0.100	ND	109	70-130	7.06	20	
1,3,5-Trimethylbenzene	0.108	0.00200	"	0.100	ND	108	70-130	8.24	20	
Benzene	0.107	0.00200	"	0.100	ND	107	70-130	6.81	20	
Ethylbenzene	0.101	0.00200	"	0.100	ND	101	70-130	7.04	20	
Naphthalene	0.108	0.0100	"	0.100	ND	108	70-130	7.93	20	
Toluene	0.102	0.00200	"	0.100	ND	102	70-130	6.26	20	
o-Xylene	0.106	0.00200	"	0.100	ND	106	70-130	6.11	20	
m,p-Xylene	0.208	0.00400	"	0.200	ND	104	70-130	8.54	20	
Surrogate: 1,2-Dichloroethane-d4	0.13	"	"	0.125		104	70-130			
Surrogate: Toluene-d8	0.12	"	"	0.125		98.0	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 B2D0603 - EPA 3550B

Blank (B2D0603-BLK1)

Prepared: 04/06/2022 Analyzed: 04/12/2022

Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	28		"	24.9		113	50-150			

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Project Number: [none]
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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 B2D0603 - EPA 3550B

LCS (B2D0603-BS1)

Prepared: 04/06/2022 Analyzed: 04/12/2022

Diesel (C10-C28)	1040	50.0	mg/kg	1000	104	70-130
Residual Range Organics (C28-C40)	977	200	"	1000	97.7	70-130
Surrogate: o-Terphenyl	52		"	49.8	106	50-150

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Wheat Ridge CO 80033

Martin C Eckert III
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Project: Noble - Branch #1-3

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 B2D0603 - EPA 3550B

Matrix Spike (B2D0603-MS1)

Source: Y204017-01

Prepared: 04/06/2022 Analyzed: 04/12/2022

Diesel (C10-C28)	1010	50.0	mg/kg	1000	ND	101	70-130
Residual Range Organics (C28-C40)	1000	200	"	1000	ND	100	70-130
Surrogate: o-Terphenyl	51		"	49.8		103	50-150

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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 B2D0603 - EPA 3550B

Matrix Spike Dup (B2D0603-MSD1)

Source: Y204017-01

Prepared: 04/06/2022 Analyzed: 04/12/2022

Diesel (C10-C28)	1030	50.0	mg/kg	1000	ND	103	70-130	1.58	35	
Residual Range Organics (C28-C40)	1010	200	"	1000	ND	101	70-130	0.654	35	
Surrogate: o-Terphenyl	54		"	49.8		109	50-150			

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Project Number: [none]
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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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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 B2D0414 - NO PREP

Blank (B2D0414-BLK1)

Prepared: 04/04/2022 Analyzed: 04/05/2022

Specific Conductance (EC) 0.00140 0.00500 mmhos/cm

Duplicate (B2D0414-DUP1)

Source: Y204007-17

Prepared: 04/04/2022 Analyzed: 04/05/2022

Specific Conductance (EC) 2.82 0.00500 mmhos/cm 2.86 1.31 25

Batch B2D0415 - NO PREP

Duplicate (B2D0415-DUP1)

Source: Y204007-17

Prepared: 04/04/2022 Analyzed: 04/05/2022

pH 7.94 pH Units 8.03 1.13 25

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Martin C Eckert III
Project Number: [none]
Project: Noble - Branch #1-3

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 L608881 - 3550B

MSD (L 97385-MSD-L608881)

Source: 97385

Prepared: 04/05/2022 Analyzed: 04/06/2022

Naphthalene	0.102	0.000484	mg/Kg	0.163	<0.000484	62.5	30-130	11	30	
Indeno(1,2,3-cd)pyrene	0.0944	0.000627	"	0.163	<0.000627	57.9	30-130	28.5	30	
Fluorene	0.114	0.000286	"	0.163	<0.000286	69.9	30-130	11.1	30	
Fluoranthene	0.119	0.000394	"	0.163	<0.000394	73	30-130	14.4	30	
Dibenz(a,h)anthracene	0.104	0.000614	"	0.163	<0.000614	63.8	30-130	25.1	30	
Chrysene	0.112	0.000624	"	0.163	<0.000624	68.7	30-130	11.8	30	
Benzo(k)fluoranthene	0.0958	0.000437	"	0.163	<0.000437	58.7	30-130	10.5	30	
Benzo(b)fluoranthene	0.1	0.000585	"	0.163	<0.000585	61.3	30-130	17.8	30	
2-Methylnaphthalene	0.101	0.000645	"	0.163	<0.000645	61.9	30-130	9.4	30	
1-Methylnaphthalene	0.101	0.000364	"	0.163	<0.000364	61.9	30-130	10.1	30	
Benzo(a)anthracene	0.118	0.000493	"	0.163	<0.000493	72.3	30-130	9.7	30	
Anthracene	0.113	0.000334	"	0.163	<0.000334	69.3	30-130	11.2	30	
Acenaphthene	0.106	0.000304	"	0.163	<0.000304	65	30-130	10.7	30	
Benzo(a)pyrene	0.108	0.000468	"	0.163	<0.000468	66.2	30-130	10.3	30	
Pyrene	0.116	0.000643	"	0.163	<0.000643	71.1	30-130	10.9	30	
Surrogate: Nitrobenzene-d5	51.2		"	0.326	156	51.2	29-110			
Surrogate: 2-Fluorobiphenyl	48.7		"	0.326	152	48.7	33-115			
Surrogate: 4-Terphenyl-d14	60.1		"	0.326	188	60.1	33-122			

MS (L 97385-MS-L608881)

Source: 97385

Prepared: 04/05/2022 Analyzed: 04/06/2022

Benzo(k)fluoranthene	0.0862	0.000437	mg/Kg	0.165	<0.000437	52.2	30-130			
Chrysene	0.0995	0.000624	"	0.165	<0.000624	60.3	30-130			
Dibenz(a,h)anthracene	0.0808	0.000614	"	0.165	<0.000614	48.9	30-130			
Fluoranthene	0.103	0.000394	"	0.165	<0.000394	62.4	30-130			
Indeno(1,2,3-cd)pyrene	0.0708	0.000627	"	0.165	<0.000627	42.9	30-130			
Anthracene	0.101	0.000334	"	0.165	<0.000334	61.2	30-130			
Naphthalene	0.0913	0.000484	"	0.165	<0.000484	55.3	30-130			

Origins Laboratory, Inc.

J. Bynon

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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 - Branch #1-3

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 L608881 - 3550B

MS (L 97385-MS-L608881)

Source: 97385

Prepared: 04/05/2022 Analyzed: 04/06/2022

Fluorene	0.102	0.000286	mg/Kg	0.165	<0.000286	61.8	30-130
Benzo(b)fluoranthene	0.0836	0.000585	"	0.165	<0.000585	50.6	30-130
Benzo(a)anthracene	0.107	0.000493	"	0.165	<0.000493	64.8	30-130
Acenaphthene	0.0952	0.000304	"	0.165	<0.000304	57.6	30-130
2-Methylnaphthalene	0.0919	0.000645	"	0.165	<0.000645	55.6	30-130
Pyrene	0.104	0.000643	"	0.165	<0.000643	63	30-130
1-Methylnaphthalene	0.0912	0.000364	"	0.165	<0.000364	55.2	30-130
Benzo(a)pyrene	0.0974	0.000468	"	0.165	<0.000468	59	30-130
Surrogate: Nitrobenzene-d5	39	"	"	0.33	156	39	29-110
Surrogate: 2-Fluorobiphenyl	37.2	"	"	0.33	152	37.2	33-115
Surrogate: 4-Terphenyl-d14	53	"	"	0.33	188	53	33-122

LCS (LCS-L608881)

Prepared: 04/05/2022 Analyzed: 04/06/2022

Chrysene	0.104	0.000624	mg/Kg	0.167		62.2	30-130
Benzo(k)fluoranthene	0.0955	0.000437	"	0.167		57.1	30-130
Pyrene	0.105	0.000643	"	0.167		62.8	30-130
Naphthalene	0.097	0.000484	"	0.167		58	30-130
Indeno(1,2,3-cd)pyrene	0.0851	0.000627	"	0.167		50.9	30-130
Fluorene	0.106	0.000286	"	0.167		63.4	30-130
Benzo(b)fluoranthene	0.0906	0.000585	"	0.167		54.2	30-130
Dibenz(a,h)anthracene	0.0926	0.000614	"	0.167		55.4	30-130
1-Methylnaphthalene	0.0959	0.000364	"	0.167		57.4	30-130
Benzo(a)pyrene	0.0982	0.000468	"	0.167		58.8	30-130
Benzo(a)anthracene	0.109	0.000493	"	0.167		65.2	30-130
Anthracene	0.105	0.000334	"	0.167		62.8	30-130
Acenaphthene	0.101	0.000304	"	0.167		60.4	30-130
2-Methylnaphthalene	0.097	0.000645	"	0.167		58	30-130

Origins Laboratory, Inc.

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Jordan A. Bynon 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 - Branch #1-3

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 L608881 - 3550B

LCS (LCS-L608881)

Prepared: 04/05/2022 Analyzed: 04/06/2022

Fluoranthene	0.106	0.000394	mg/Kg	0.167	63.4	30-130
Surrogate: Nitrobenzene-d5	46.2	"		0.333	46.2	29-110
Surrogate: 4-Terphenyl-d14	58.2	"		0.333	58.2	33-122
Surrogate: 2-Fluorobiphenyl	54.9	"		0.333	54.9	33-115

LRB (LRB-L608881)

Prepared: 04/05/2022 Analyzed: 04/06/2022

Fluoranthene	ND	0.00067	mg/Kg	-	-	-
Benzo(a)pyrene	ND	0.00067	"	-	-	-
Pyrene	ND	0.00067	"	-	-	-
Naphthalene	ND	0.00067	"	-	-	-
Indeno(1,2,3-cd)pyrene	ND	0.00067	"	-	-	-
Fluorene	ND	0.00067	"	-	-	-
Dibenz(a,h)anthracene	ND	0.00067	"	-	-	-
Chrysene	ND	0.00067	"	-	-	-
Benzo(b)fluoranthene	ND	0.00067	"	-	-	-
1-Methylnaphthalene	ND	0.00067	"	-	-	-
Benzo(a)anthracene	ND	0.00067	"	-	-	-
Anthracene	ND	0.00067	"	-	-	-
Acenaphthene	ND	0.00067	"	-	-	-
2-Methylnaphthalene	ND	0.00067	"	-	-	-
Benzo(k)fluoranthene	ND	0.00067	"	-	-	-
Surrogate: Nitrobenzene-d5	43.5	"	0.333	43.5	29-110	
Surrogate: 4-Terphenyl-d14	50.7	"	0.333	50.7	33-122	
Surrogate: 2-Fluorobiphenyl	46.8	"	0.333	46.8	33-115	

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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 - Branch #1-3

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 at a wet weight basis.

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