



April 26, 2022

Eagle Environmental Consulting, Inc.

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - UPRR 39 Pan Am G #1 Project Number - [none]

Attached are your analytical results for Noble - UPRR 39 Pan Am G #1 received by Origins Laboratory, Inc. April 12, 2022. This project is associated with Origins project number Y204247-01.

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
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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 - UPRR 39 Pan Am G #1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-FS-01@6'	Y204247-01	Soil	April 12, 2022 8:23	04/12/2022 16:17

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 - UPRR 39 Pan Am G #1

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

Sample Receipt Checklist

Origins Work Order: Y204247 Client: Eagle
Client Project ID: UPRR 39 Pan Am G #1

Checklist Completed by: SG Shipped Via: HD
(UPS, FedEx, Hand Delivered, Pick-up, etc.)
Date/time completed: 4/13/22 Airbill #: N/A

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


Cooler Number/Temperature: 135 °C °C °C °C

Thermometer ID: T004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature due within 48 hours to $\leq 6^{\circ}\text{C}$ ⁽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 due 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	<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 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 NaOH) (H ₂ O ₂ > 3% < NaOCl)	<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 in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) JB Date/Time Reviewed 4/14/22

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Martin C Eckert III
 Project Number: [none]
 Project: Noble - UPRR 39 Pan Am G #1

WH-FS-01@6'
4/12/2022 8:23:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y204247-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.462		0.101	mg/L	1	B2D1410	04/14/2022	04/15/2022	
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DRO/ORO by EPA 8015D


Diesel (C10-C28)	ND		25.0	mg/kg	1	B2D1405	04/14/2022	04/23/2022	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl 88.8% 50-150 " " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B2D1328	04/13/2022	04/17/2022	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 110% 70-130 " " " "

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WH-FS-01@6'
4/12/2022 8:23:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y204247-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	96.6 %		70-130			B2D13 28	04/13/2022	04/17/2022	
Surrogate: 4-Bromofluorobenzene	96.9 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.13		0.499	meq/L	10	[CALC]	04/13/2022	04/14/2022	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	3.88		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L611114	04/15/2022	04/18/2022	
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"	
Acenaphthene	0.000362	0.000304	0.00067	"	"	"	"	"	J
Anthracene	0.000987	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	0.00268	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	0.00257	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	0.00258	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	0.00104	0.000437	0.00067	"	"	"	"	"	B
Chrysene	0.00301	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	0.00703	0.000394	0.00067	"	"	"	"	"	
Fluorene	0.000382	0.000286	0.00067	"	"	"	"	"	J

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WH-FS-01@6'
4/12/2022 8:23:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.
Y204247-01 (Soil)

PAH by 8270D SIM

Indeno(1,2,3-cd)pyrene	0.000754	0.000627	0.00067	mg/Kg	1	L611114	04/15/2022	04/18/2022	
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"	"
Pyrene	0.00624	0.000643	0.00067	"	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	43.1 %		33-115			"	"	"	"
Surrogate: 4-Terphenyl-d14	57.8 %		33-122			"	"	"	"
Surrogate: Nitrobenzene-d5	49.2 %		29-110			"	"	"	"

pH in Soil by 9045D

pH	8.03			pH Units	1	B2D1327	04/13/2022	04/14/2022	
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SAR by 20B Saturated Paste

SAR	4.14			SAR	1	B2D1318	04/13/2022	04/14/2022	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.649		0.00500	mmhos/cm	1	B2D1323	04/13/2022	04/14/2022	
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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 B2D1328 - EPA 5030 (soil)

Blank (B2D1328-BLK1)

Prepared: 04/13/2022 Analyzed: 04/17/2022

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	0.13		"	0.125		106	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		96.8	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
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Batch B2D1328 - EPA 5030 (soil)

LCS (B2D1328-BS1)

Prepared: 04/13/2022 Analyzed: 04/17/2022

1,2,4-Trimethylbenzene	0.115	0.00200	mg/kg	0.100		115	70-130			
1,3,5-Trimethylbenzene	0.120	0.00200	"	0.100		120	70-130			
Benzene	0.0956	0.00200	"	0.100		95.6	70-130			
Ethylbenzene	0.110	0.00200	"	0.100		110	70-130			
Naphthalene	0.0946	0.0100	"	0.100		94.6	70-130			
Toluene	0.104	0.00200	"	0.100		104	70-130			
o-Xylene	0.106	0.00200	"	0.100		106	70-130			
m,p-Xylene	0.221	0.00400	"	0.200		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		102	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	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
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Batch B2D1328 - EPA 5030 (soil)

Matrix Spike (B2D1328-MS1)

Source: Y204237-01

Prepared: 04/13/2022 Analyzed: 04/17/2022

1,2,4-Trimethylbenzene	0.0420	0.00200	mg/kg	0.100	ND	42.0	70-130			QM-07
1,3,5-Trimethylbenzene	0.0419	0.00200	"	0.100	ND	41.9	70-130			QM-07
Benzene	0.0839	0.00200	"	0.100	ND	83.9	70-130			QM-07
Ethylbenzene	0.0463	0.00200	"	0.100	ND	46.3	70-130			QM-07
Naphthalene	0.0514	0.0100	"	0.100	ND	51.4	70-130			QM-07
Toluene	0.0816	0.00200	"	0.100	ND	81.6	70-130			QM-07
o-Xylene	0.0645	0.00200	"	0.100	ND	64.5	70-130			QM-07
m,p-Xylene	0.125	0.00400	"	0.200	ND	62.5	70-130			QM-07
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		109	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.0	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.6	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 B2D1328 - EPA 5030 (soil)

Matrix Spike Dup (B2D1328-MSD1)

Source: Y204237-01

Prepared: 04/13/2022 Analyzed: 04/17/2022

1,2,4-Trimethylbenzene	0.0673	0.00200	mg/kg	0.100	ND	67.3	70-130	46.4	20	QM-07
1,3,5-Trimethylbenzene	0.0681	0.00200	"	0.100	ND	68.1	70-130	47.6	20	QM-07
Benzene	0.0845	0.00200	"	0.100	ND	84.5	70-130	0.665	20	
Ethylbenzene	0.0765	0.00200	"	0.100	ND	76.5	70-130	49.1	20	QM-07
Naphthalene	0.0593	0.0100	"	0.100	ND	59.3	70-130	14.2	20	QM-07
Toluene	0.0819	0.00200	"	0.100	ND	81.9	70-130	0.392	20	
o-Xylene	0.0744	0.00200	"	0.100	ND	74.4	70-130	14.2	20	
m,p-Xylene	0.152	0.00400	"	0.200	ND	75.8	70-130	19.3	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		104	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.4	70-130			

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Project: Noble - UPRR 39 Pan Am G #1

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 B2D1405 - EPA 3550B

Blank (B2D1405-BLK1)

Prepared: 04/14/2022 Analyzed: 04/25/2022

Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	24		"	24.9		94.8	50-150			

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Martin C Eckert III
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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 B2D1405 - EPA 3550B

LCS (B2D1405-BS1)

Prepared: 04/14/2022 Analyzed: 04/25/2022

Diesel (C10-C28)	1220	50.0	mg/kg	1000		122	70-130			
Residual Range Organics (C28-C40)	1130	200	"	1000		113	70-130			
Surrogate: o-Terphenyl	51		"	49.8		102	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 B2D1405 - EPA 3550B

Matrix Spike (B2D1405-MS1)

Source: Y204237-01

Prepared: 04/14/2022 Analyzed: 04/25/2022

Diesel (C10-C28)	1230	50.0	mg/kg	1000	ND	123	70-130			
Residual Range Organics (C28-C40)	1110	200	"	1000	ND	111	70-130			
Surrogate: o-Terphenyl	48		"	49.8		97.1	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 B2D1405 - EPA 3550B

Matrix Spike Dup (B2D1405-MSD1)

Source: Y204237-01

Prepared: 04/14/2022 Analyzed: 04/25/2022

Diesel (C10-C28)	1230	50.0	mg/kg	1000	ND	123	70-130	0.626	35	
Residual Range Organics (C28-C40)	1150	200	"	1000	ND	115	70-130	3.17	35	
Surrogate: o-Terphenyl	48		"	49.8		97.0	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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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 B2D1323 - NO PREP

Blank (B2D1323-BLK1)

Prepared: 04/13/2022 Analyzed: 04/14/2022

Specific Conductance (EC) 0.000800 0.00500 mmhos/cm

Duplicate (B2D1323-DUP1)

Source: Y204235-02

Prepared: 04/13/2022 Analyzed: 04/14/2022

Specific Conductance (EC) 1.44 0.00500 mmhos/cm

1.28 11.7 25

Batch B2D1327 - NO PREP

Duplicate (B2D1327-DUP1)

Source: Y204235-02

Prepared: 04/13/2022 Analyzed: 04/14/2022

pH 7.73 pH Units

7.65 1.04 25

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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 L611114 - 3550B

MS (L 97814-MS-L611114)

Source: 97814

Prepared: 04/15/2022 Analyzed: 04/18/2022

Dibenz(a,h)anthracene	0.115	0.00307	mg/Kg	0.166	<0.00307	69.2	30-130			
Pyrene	0.106	0.00322	"	0.166	<0.00322	63.8	30-130			
Naphthalene	0.0902	0.00242	"	0.166	<0.00242	54.3	30-130			
Indeno(1,2,3-cd)pyrene	0.0977	0.00314	"	0.166	<0.00314	58.8	30-130			
Fluoranthene	0.106	0.00197	"	0.166	<0.00197	63.8	30-130			
Chrysene	0.11	0.00312	"	0.166	<0.00312	66.2	30-130			
2-Methylnaphthalene	0.0869	0.00323	"	0.166	<0.00323	52.3	30-130			
1-Methylnaphthalene	0.0934	0.00182	"	0.166	<0.00182	56.2	30-130			
Fluorene	0.102	0.00143	"	0.166	<0.00143	61.4	30-130			
Benzo(k)fluoranthene	0.101	0.00219	"	0.166	<0.00219	60.8	30-130			
Acenaphthene	0.0961	0.00152	"	0.166	<0.00152	57.8	30-130			
Anthracene	0.103	0.00167	"	0.166	<0.00167	62	30-130			
Benzo(a)anthracene	0.11	0.00247	"	0.166	<0.00247	66.2	30-130			
Benzo(a)pyrene	0.107	0.00234	"	0.166	<0.00234	64.4	30-130			
Benzo(b)fluoranthene	0.0858	0.00293	"	0.166	<0.00293	51.6	30-130			
Surrogate: Nitrobenzene-d5	50.6		"	0.332	180	50.6	29-110			
Surrogate: 2-Fluorobiphenyl	46.9		"	0.332	165	46.9	33-115			
Surrogate: 4-Terphenyl-d14	59.9		"	0.332	204	59.9	33-122			

LCS (LCS-L611114)

Prepared: 04/15/2022 Analyzed: 04/18/2022

Benzo(a)pyrene	0.106	0.000468	mg/Kg	0.167		63.4	30-130			
Naphthalene	0.0879	0.000484	"	0.167		52.6	30-130			
Indeno(1,2,3-cd)pyrene	0.0993	0.000627	"	0.167		59.4	30-130			
Fluorene	0.0977	0.000286	"	0.167		58.5	30-130			
Fluoranthene	0.101	0.000394	"	0.167		60.4	30-130			
Dibenz(a,h)anthracene	0.112	0.000614	"	0.167		67	30-130			
Pyrene	0.104	0.000643	"	0.167		62.2	30-130			

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - UPRR 39 Pan Am G #1

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 L611114 - 3550B

LCS (LCS-L611114)

Prepared: 04/15/2022 Analyzed: 04/18/2022

1-Methylnaphthalene	0.0859	0.000364	mg/Kg	0.167		51.4	30-130			
Benzo(b)fluoranthene	0.0876	0.000585	"	0.167		52.4	30-130			
Benzo(a)anthracene	0.105	0.000493	"	0.167		62.8	30-130			
Anthracene	0.0973	0.000334	"	0.167		58.2	30-130			
Acenaphthene	0.0914	0.000304	"	0.167		54.7	30-130			
2-Methylnaphthalene	0.0861	0.000645	"	0.167		51.5	30-130			
Benzo(k)fluoranthene	0.0949	0.000437	"	0.167		56.8	30-130			
Chrysene	0.103	0.000624	"	0.167		61.6	30-130			
Surrogate: Nitrobenzene-d5	57.3		"	0.333		57.3	29-110			
Surrogate: 4-Terphenyl-d14	70.2		"	0.333		70.2	33-122			
Surrogate: 2-Fluorobiphenyl	51.9		"	0.333		51.9	33-115			

LRB (LRB-L611114)

Prepared: 04/15/2022 Analyzed: 04/18/2022

Fluoranthene	ND	0.00067	mg/Kg			-	-			
Fluorene	ND	0.00067	"			-	-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"			-	-			
Naphthalene	ND	0.00067	"			-	-			
Dibenz(a,h)anthracene	0.00104	0.00067	"			-	-			*
Pyrene	ND	0.00067	"			-	-			
Anthracene	ND	0.00067	"			-	-			
Chrysene	ND	0.00067	"			-	-			
Benzo(k)fluoranthene	0.000665	0.00067	"			-	-			J
Benzo(b)fluoranthene	ND	0.00067	"			-	-			
Benzo(a)anthracene	ND	0.00067	"			-	-			
Acenaphthene	ND	0.00067	"			-	-			
2-Methylnaphthalene	ND	0.00067	"			-	-			
1-Methylnaphthalene	ND	0.00067	"			-	-			

Origins Laboratory, Inc.

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8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - UPRR 39 Pan Am G #1

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 L611114 - 3550B

LRB (LRB-L611114)

Prepared: 04/15/2022 Analyzed: 04/18/2022

Benzo(a)pyrene	ND	0.00067	mg/Kg							
Surrogate: Nitrobenzene-d5	62.1		"	0.333		62.1	29-110			
Surrogate: 4-Terphenyl-d14	70.2		"	0.333		70.2	33-122			
Surrogate: 2-Fluorobiphenyl	54.9		"	0.333		54.9	33-115			

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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 - UPRR 39 Pan Am G #1

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.
 - J Estimated Value. Analyte below reported quantitation limit.
 - B Analyte detected in associated method blank.
 - * QC Failure
 - ND Analyte NOT DETECTED at or above the reporting limit
 - RPD Relative Percent Difference
- All soil results are reported on a wet weight basis.

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