



January 30, 2023

Eagle Environmental Consulting, Inc.

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Parker #29-34

Project Number - [none]

Attached are your analytical results for Noble - Parker #29-34 received by Origins Laboratory, Inc. January 23, 2023. This project is associated with Origins project number Y301364-01.

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 - Parker #29-34

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-FS-01@6'	Y301364-01	Soil	January 23, 2023 10:32	01/23/2023 13:25

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 - Parker #29-34

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

Sample Receipt Checklist

Origins Work Order: NS D13104 Client: Eagle Environmental
 Client Project ID: Parker #29-34

Checklist Completed by: TSI Shipped Via: HD
 Date/time completed: 1/23/23 (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 / 3 °C / _____ °C / _____ °C / _____ °C
 Thermometer ID: T004

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"/>			
Is there ice present (document if blue ice is used)	<input checked="" 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"/>	
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"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTS due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" 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"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) X (preservation is not confirmed for subcontracted analyses in order to insure sample integrity) (pH > 10 for samples preserved with HNO3, HCL, H2SO4) / (pH > 10 for samples preserved with NaAsO2+NaOH, ZnAc+NaOH)			<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 in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) 

Date/Time Reviewed 1/23/23

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Martin C Eckert III
 Project Number: [none]
 Project: Noble - Parker #29-34

WH-FS-01@6'
1/23/2023 10:32:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y301364-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.474		0.0986	mg/L	1	B3A2404	01/24/2023	01/25/2023	
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DRO/ORO by EPA 8015D


Diesel (C10-C28)	ND		25.0	mg/kg	1	B3A2401	01/24/2023	01/24/2023	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	78.8%		50-150	"	"	"	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B3A2420	01/24/2023	01/24/2023	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	114%		70-130	"	"	"	"	"	"
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Martin C Eckert III
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WH-FS-01@6'
1/23/2023 10:32:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y301364-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	96.9 %		70-130			B3A24 20	01/24/2023	01/24/2023	
Surrogate: 4-Bromofluorobenzene	97.5 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	4.86		0.499	meq/L	10	[CALC]	01/25/2023	01/26/2023	
Magnesium	3.10		0.823	"	"	"	"	"	
Sodium	6.70		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L660339	01/25/2023	01/25/2023	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"	

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WH-FS-01@6'
1/23/2023 10:32:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y301364-01 (Soil)

PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L660339	01/25/2023	01/25/2023	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	"
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	46.2%		33-115			"	"	"	"
Surrogate: 4-Terphenyl-d14	51.7%		33-122			"	"	"	"
Surrogate: Nitrobenzene-d5	45.3%		29-110			"	"	"	"

pH in Soil by 9045D

pH	7.92			pH Units	1	B3A2504	01/25/2023	01/26/2023	
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SAR by 20B Saturated Paste

SAR	3.36			SAR	1	B3A2502	01/25/2023	01/26/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.47		0.00500	mmhos/cm	1	B3A2504	01/25/2023	01/26/2023	
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Martin C Eckert III
 Project Number: [none]
 Project: Noble - Parker #29-34

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 B3A2401 - EPA 3580

Prepared: 01/24/2023 Analyzed: 01/24/2023

Blank (B3A2401-BLK1)

Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	23		"	24.9		90.9	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 B3A2401 - EPA 3580

LCS (B3A2401-BS1)

Prepared: 01/24/2023 Analyzed: 01/24/2023

Diesel (C10-C28)	885	50.0	mg/kg	1000		88.5	70-130			
Residual Range Organics (C28-C40)	851	200	"	1000		85.1	70-130			
Surrogate: o-Terphenyl	41		"	49.8		81.8	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 B3A2401 - EPA 3580

Matrix Spike (B3A2401-MS1)

Source: Y301363-01

Prepared: 01/24/2023 Analyzed: 01/24/2023

Diesel (C10-C28)	902	50.0	mg/kg	1000	ND	90.2	70-130			
Residual Range Organics (C28-C40)	873	200	"	1000	ND	87.3	70-130			
Surrogate: o-Terphenyl	40		"	49.8		80.1	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 B3A2401 - EPA 3580

Matrix Spike Dup (B3A2401-MSD1)

Source: Y301363-01

Prepared: 01/24/2023 Analyzed: 01/24/2023

Diesel (C10-C28)	891	50.0	mg/kg	1000	ND	89.1	70-130	1.24	35	
Residual Range Organics (C28-C40)	859	200	"	1000	ND	85.9	70-130	1.62	35	
Surrogate: o-Terphenyl	39		"	49.8		79.3	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 B3A2420 - EPA 5030 (soil)

Blank (B3A2420-BLK1)

Prepared: 01/24/2023 Analyzed: 01/24/2023

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		108	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 B3A2420 - EPA 5030 (soil)

LCS (B3A2420-BS1)

Prepared: 01/24/2023 Analyzed: 01/24/2023

1,2,4-Trimethylbenzene	0.107	0.00200	mg/kg	0.100		107	70-130			
1,3,5-Trimethylbenzene	0.108	0.00200	"	0.100		108	70-130			
Benzene	0.0929	0.00200	"	0.100		92.9	70-130			
Ethylbenzene	0.105	0.00200	"	0.100		105	70-130			
Naphthalene	0.0930	0.00380	"	0.100		93.0	70-130			
Toluene	0.0967	0.00200	"	0.100		96.7	70-130			
o-Xylene	0.103	0.00200	"	0.100		103	70-130			
m,p-Xylene	0.221	0.00400	"	0.200		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		107	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		97.8	70-130			

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Martin C Eckert III
 Project Number: [none]
 Project: Noble - Parker #29-34

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 B3A2420 - EPA 5030 (soil)

Matrix Spike (B3A2420-MS1)

Source: Y301363-01

Prepared: 01/24/2023 Analyzed: 01/24/2023

1,2,4-Trimethylbenzene	0.0972	0.00200	mg/kg	0.100	ND	97.2	70-130			
1,3,5-Trimethylbenzene	0.0956	0.00200	"	0.100	ND	95.6	70-130			
Benzene	0.0866	0.00200	"	0.100	ND	86.6	70-130			
Ethylbenzene	0.0928	0.00200	"	0.100	ND	92.8	70-130			
Naphthalene	0.0876	0.00380	"	0.100	ND	87.6	70-130			
Toluene	0.0870	0.00200	"	0.100	ND	87.0	70-130			
o-Xylene	0.0930	0.00200	"	0.100	ND	93.0	70-130			
m,p-Xylene	0.196	0.00400	"	0.200	ND	98.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		111	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		97.4	70-130			

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Martin C Eckert III
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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 B3A2420 - EPA 5030 (soil)

Matrix Spike Dup (B3A2420-MSD1)

Source: Y301363-01

Prepared: 01/24/2023 Analyzed: 01/24/2023

1,2,4-Trimethylbenzene	0.101	0.00200	mg/kg	0.100	ND	101	70-130	3.38	20	
1,3,5-Trimethylbenzene	0.0991	0.00200	"	0.100	ND	99.1	70-130	3.64	20	
Benzene	0.0893	0.00200	"	0.100	ND	89.3	70-130	3.09	20	
Ethylbenzene	0.0963	0.00200	"	0.100	ND	96.3	70-130	3.70	20	
Naphthalene	0.0883	0.00380	"	0.100	ND	88.3	70-130	0.819	20	
Toluene	0.0903	0.00200	"	0.100	ND	90.3	70-130	3.72	20	
o-Xylene	0.0969	0.00200	"	0.100	ND	96.9	70-130	4.07	20	
m,p-Xylene	0.203	0.00400	"	0.200	ND	101	70-130	3.32	20	
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		109	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.5	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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Classical Chemistry Parameters - 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 B3A2404 - DTPA Sorbitol Preparation

Blank (B3A2404-BLK1)

Prepared: 01/24/2023 Analyzed: 01/25/2023

Boron ND 0.100 mg/L

Duplicate (B3A2404-DUP1)

Source: Y301362-01

Prepared: 01/24/2023 Analyzed: 01/25/2023

Boron 3.55 0.0988 mg/L 3.10 13.7 50

Batch B3A2502 - Saturated Paste Metals

Blank (B3A2502-BLK1)

Prepared: 01/25/2023 Analyzed: 01/26/2023

Calcium PPM ND 10.0 mg/L

SAR 0.00 SAR

Magnesium PPM ND 10.0 mg/L

Sodium PPM ND 10.0 "

Duplicate (B3A2502-DUP1)

Source: Y301362-12

Prepared: 01/25/2023 Analyzed: 01/26/2023

SAR 0.00 SAR 10.6 200 200

Calcium PPM 150 10.0 mg/L 156 4.16 50

Magnesium PPM 90.5 10.0 " 93.8 3.65 50

Sodium PPM 669 10.0 " 678 1.34 50

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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 B3A2504 - Saturated Paste pH/EC

Blank (B3A2504-BLK1)

Prepared: 01/25/2023 Analyzed: 01/26/2023

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B3A2504-DUP1)

Source: Y301362-12

Prepared: 01/25/2023 Analyzed: 01/26/2023

pH	7.90		pH Units	8.01			1.38	25		
Specific Conductance (EC)	3.85	0.00500	mmhos/cm	3.96			2.85	25		

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L660339 - 3550B

MSD (L 96535-MSD-L660339)

Source: 96535

Prepared: 01/25/2023 Analyzed: 01/25/2023

2-Methylnaphthalene	0.105	0.00201	mg/Kg	0.166	<0.00194	63.2	30-130	2.8	30	
Fluorene	0.106	0.00067	"	0.166	<0.000286	63.8	30-130	0	30	
Pyrene	0.107	0.00067	"	0.166	<0.000643	64.4	30-130	2.7	30	
Indeno(1,2,3-cd)pyrene	0.0764	0.00067	"	0.166	<0.000627	46	30-130	2.7	30	
Fluoranthene	0.116	0.00067	"	0.166	<0.000394	69.8	30-130	0.8	30	
Dibenz(a,h)anthracene	0.0926	0.00067	"	0.166	<0.000614	55.7	30-130	0.4	30	
Chrysene	0.11	0.00067	"	0.166	<0.000624	66.2	30-130	2.7	30	
Naphthalene	0.0961	0.00201	"	0.166	<0.00145	57.8	30-130	0.3	30	
1-Methylnaphthalene	0.0986	0.00201	"	0.166	<0.00109	59.3	30-130	2.1	30	
Benzo(k)fluoranthene	0.0803	0.00067	"	0.166	<0.000437	48.3	30-130	10.2	30	
Acenaphthene	0.0994	0.00067	"	0.166	<0.000304	59.8	30-130	0.9	30	
Anthracene	0.099	0.00067	"	0.166	<0.000334	59.6	30-130	2	30	
Benzo(a)anthracene	0.112	0.00067	"	0.166	<0.000493	67.4	30-130	1.7	30	
Benzo(a)pyrene	0.123	0.00067	"	0.166	<0.000468	74	30-130	0.8	30	
Benzo(b)fluoranthene	0.0871	0.00067	"	0.166	<0.000585	52.4	30-130	4.5	30	
Surrogate: 2-Fluorobiphenyl	59.9		"	0.332	175	59.9	33-115			
Surrogate: Nitrobenzene-d5	56.3		"	0.332	168	56.3	29-110			
Surrogate: 4-Terphenyl-d14	67.4		"	0.332	194	67.4	33-122			

MS (L 96535-MS-L660339)

Source: 96535

Prepared: 01/25/2023 Analyzed: 01/25/2023

Benzo(k)fluoranthene	0.089	0.00067	mg/Kg	0.167	<0.000437	53.2	30-130			
Acenaphthene	0.0985	0.00067	"	0.167	<0.000304	58.9	30-130			
Naphthalene	0.0964	0.00201	"	0.167	<0.00145	57.7	30-130			
Indeno(1,2,3-cd)pyrene	0.0785	0.00067	"	0.167	<0.000627	47	30-130			
Fluorene	0.106	0.00067	"	0.167	<0.000286	63.4	30-130			
Fluoranthene	0.117	0.00067	"	0.167	<0.000394	70	30-130			
Dibenz(a,h)anthracene	0.0922	0.00067	"	0.167	<0.000614	55.2	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 - Parker #29-34

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L660339 - 3550B

MS (L 96535-MS-L660339)

Source: 96535

Prepared: 01/25/2023 Analyzed: 01/25/2023

Chrysene	0.107	0.00067	mg/Kg	0.167	<0.000624	64	30-130			
1-Methylnaphthalene	0.0965	0.00201	"	0.167	<0.00109	57.7	30-130			
Benzo(a)pyrene	0.122	0.00067	"	0.167	<0.000468	73	30-130			
Anthracene	0.101	0.00067	"	0.167	<0.000334	60.4	30-130			
Pyrene	0.11	0.00067	"	0.167	<0.000643	65.8	30-130			
2-Methylnaphthalene	0.102	0.00201	"	0.167	<0.00194	61	30-130			
Benzo(b)fluoranthene	0.0832	0.00067	"	0.167	<0.000585	49.8	30-130			
Benzo(a)anthracene	0.114	0.00067	"	0.167	<0.000493	68.2	30-130			
Surrogate: Nitrobenzene-d5	56.7		"	0.333	168	56.7	29-110			
Surrogate: 4-Terphenyl-d14	68.1		"	0.333	194	68.1	33-122			
Surrogate: 2-Fluorobiphenyl	59.4		"	0.333	175	59.4	33-115			

LCS (LCS-L660339)

Prepared: 01/25/2023 Analyzed: 01/25/2023

Chrysene	0.102	0.00067	mg/Kg	0.167		61	30-130			
Dibenz(a,h)anthracene	0.115	0.00067	"	0.167		68.8	30-130			
Fluoranthene	0.112	0.00067	"	0.167		67	30-130			
Fluorene	0.0947	0.00067	"	0.167		56.7	30-130			
Indeno(1,2,3-cd)pyrene	0.102	0.00067	"	0.167		61	30-130			
Naphthalene	0.0858	0.00201	"	0.167		51.3	30-130			
Benzo(k)fluoranthene	0.0935	0.00067	"	0.167		55.9	30-130			
Pyrene	0.104	0.00067	"	0.167		62.2	30-130			
Benzo(a)pyrene	0.117	0.00067	"	0.167		70	30-130			
Benzo(a)anthracene	0.105	0.00067	"	0.167		62.8	30-130			
Anthracene	0.0948	0.00067	"	0.167		56.7	30-130			
Acenaphthene	0.0903	0.00067	"	0.167		54	30-130			
2-Methylnaphthalene	0.0907	0.00201	"	0.167		54.3	30-130			
1-Methylnaphthalene	0.0849	0.00201	"	0.167		50.8	30-130			

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 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Parker #29-34

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L660339 - 3550B

LCS (LCS-L660339)

Prepared: 01/25/2023 Analyzed: 01/25/2023

Benzo(b)fluoranthene	0.107	0.00067	mg/Kg	0.167		64	30-130			
Surrogate: Nitrobenzene-d5	54		"	0.333		54	29-110			
Surrogate: 4-Terphenyl-d14	69.3		"	0.333		69.3	33-122			
Surrogate: 2-Fluorobiphenyl	54.3		"	0.333		54.3	33-115			

LRB (LRB-L660339)

Prepared: 01/25/2023 Analyzed: 01/25/2023

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	0.00201	"				-			
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	0.00201	"				-			
1-Methylnaphthalene	ND	0.00201	"				-			
Pyrene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
Surrogate: Nitrobenzene-d5	59.7		"	0.333		59.7	29-110			
Surrogate: 4-Terphenyl-d14	70.8		"	0.333		70.8	33-122			
Surrogate: 2-Fluorobiphenyl	59.1		"	0.333		59.1	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 - Parker #29-34

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 on a wet weight basis.

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