ORIGINS LABORATORY, INC

May 03, 2022

Eagle Environmental Consulting, Inc.
Martin C Eckert III
8000 W 44th Ave
Wheat Ridge CO 80033

Project Name - Noble - Stephens J #31-9 **Project Number - [none]**

Attached are your analytical results for Noble - Stephens J #31-9 received by Origins Laboratory, Inc. April 21, 2022. This project is associated with Origins project number Y204502-01.

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

ACCREDITED
TESTING CERT # 3494.01

ORIGINS LABORATORY, INC

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Stephens J #31-9

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-FS-01@6'	Y204502-01	Soil	April 21, 2022 10:08	04/21/2022 15:44

Origins Laboratory, Inc.

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Jordan A. Bynon For Noelle Doyle Mathis, President

ORIGINS LABORATORY, INC

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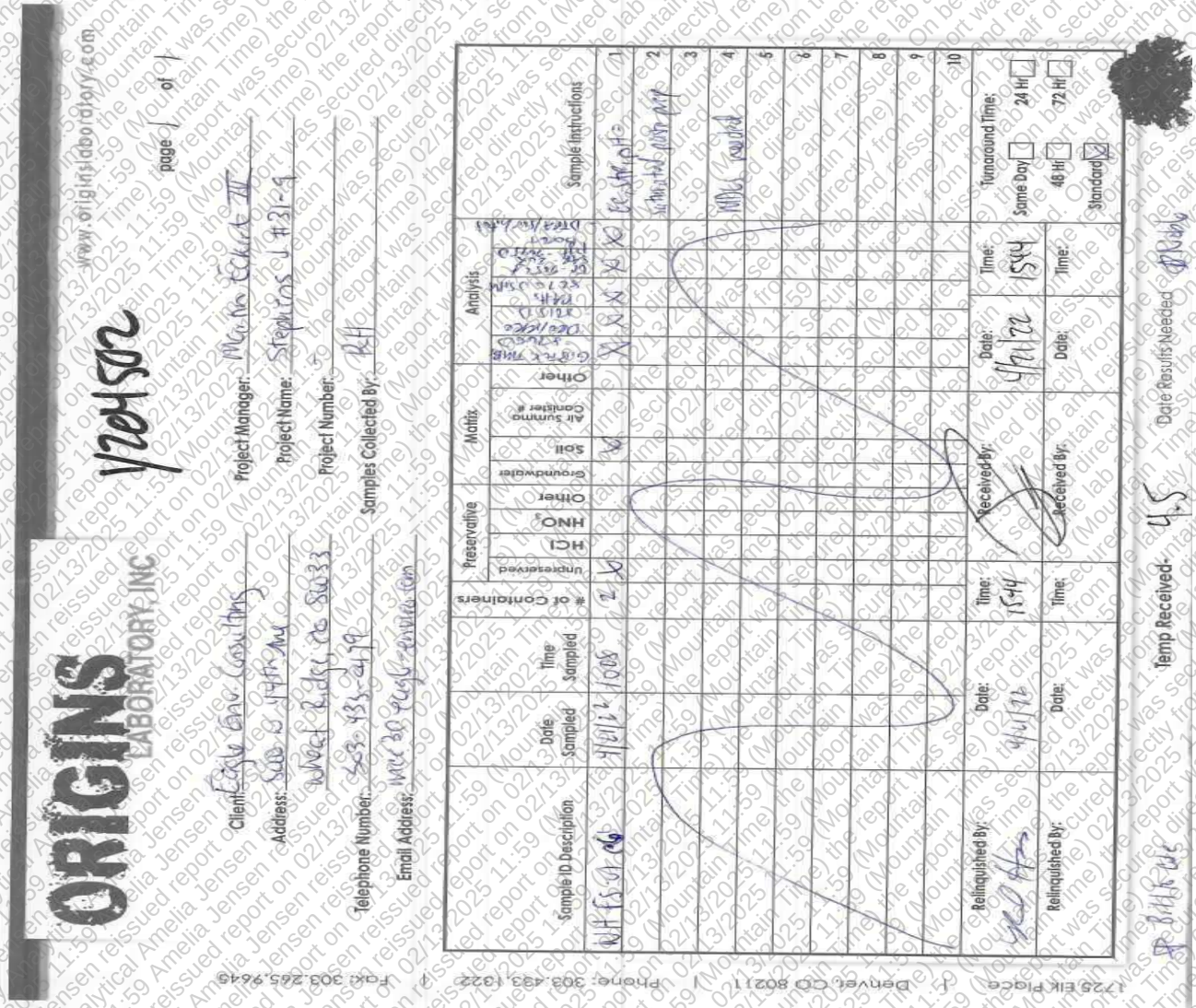
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Stephens J #31-9



ORIGINS LABORATORY, INC

1/20/502

www.originslaboratory.com

page 1 of 1

Client: Eagle Env. Consulting
Address: 8000 W 44th Ave
Wheat Ridge, CO 80033
Telephone Number: 303-431-4179
Email Address: martin@eagleenviro.com

Project Manager: Martin Eckert III
Project Name: Stephens J #31-9
Project Number: 5
Samples Collected By: RH

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative: Unpreserved	HCl	HNO_3	Other	Matrix: Groundwater	Soil	Air Summa Canister #	Other	Analysis:									Sample Instructions
1	4/11/22	1008	2		X				X			X	X	X							Please run BTEX/MTBE
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					

Relinquished By: Date: 4/11/22 Time: 1544 Received By:
Relinquished By: Date: Time: Received By:
Relinquished By: Date: Time: Received By:

Turnaround Time: Same Day ☐ 24 Hr ☐ 48 Hr ☐ 72 Hr ☐ Standard ☒

Date Results Needed: 4/15

Temp Received: 4.5

1725 Elk Place | Denver, CO 80211 | Phone: 303.433.1022 | Fax: 303.265.9645

Origins Laboratory, Inc.

Jordan A. Bynon For Noelle Doyle Mathis, President

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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 - Stephens J #31-9

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: Y204502

Client: Eagle

Client Project ID: Stephens J 31-9

Checklist Completed by: JG

Shipped Via: HD (UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 4/22/22

Airbill #: N/A

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

Cooler Number/Temperature: 1 / 4.5 °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]?	✓			
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 HNO3, HCL, H2SO4) / (pH > 10 for samples preserved with NaAsO2+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 (Project Manager) JB

Date/Time Reviewed 4-25-22

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 - Stephens J #31-9

WH-FS-01@6'
4/21/2022 10:08:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes

Origins Laboratory, Inc.
Y204502-01 (Soil)

Boron (DTPA Sorbitol)

Boron	**0.417**		0.0994	mg/L	1	B2D2213	04/22/2022	04/26/2022	

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B2D2612	04/26/2022	04/28/2022	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	*77.4 %*		*50-150*			"	"	"	

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B2D2308	04/25/2022	04/25/2022	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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Martin C Eckert III
Project Number: [none]
Project: Noble - Stephens J #31-9

WH-FS-01@6'
4/21/2022 10:08:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
Origins Laboratory, Inc.									
Y204502-01 (Soil)									
GBTEX+TMBs by 8260D									
Surrogate: Toluene-d8	*96.5 %*		*70-130*			*B2D2308*	*04/25/2022*	*04/25/2022*	
Surrogate: 4-Bromofluorobenzene	*101 %*		*70-130*			*"*	*"*	*"*	
Metals by Saturated Paste by EPA 6010									
Calcium	**3.17**		0.499	meq/L	10	[CALC]	04/25/2022	04/26/2022	
Magnesium	**1.28**		0.823	"	"	"	"	"	
Sodium	**1.13**		0.435	"	"	"	"	"	
PAH by 8270D SIM									
1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L612469	04/25/2022	04/27/2022	
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	**0.000488**	**0.000468**	0.00067	"	"	"	"	"	J
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	**0.00043**	**0.000394**	0.00067	"	"	"	"	"	J

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Martin C Eckert III
Project Number: [none]
Project: Noble - Stephens J #31-9

WH-FS-01@6'
4/21/2022 10:08:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes

Waypoint Analytical, Inc.

Y204502-01 (Soil)

PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L612469	04/25/2022	04/27/2022	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"	
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	
Surrogate: 2-Fluorobiphenyl	*54.3 %*		*33-115*		"	"	"	"	
Surrogate: 4-Terphenyl-d14	*66.5 %*		*33-122*		"	"	"	"	
Surrogate: Nitrobenzene-d5	*61.6 %*		*29-110*		"	"	"	"	

pH in Soil by 9045D

pH	**8.15**			pH Units	1	B2D2507	04/25/2022	04/26/2022

SAR by 20B Saturated Paste

SAR	**0.755**			SAR	1	B2D2501	04/25/2022	04/26/2022

Specific Conductance Mod. 9050A

Specific Conductance (EC)	**0.625**		0.00500	mmhos/cm	1	B2D2505	04/25/2022	04/26/2022

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8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Stephens J #31-9

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
Batch B2D2308 - EPA 5030 (soil)										
Blank (B2D2308-BLK1)					Prepared: 04/23/2022 Analyzed: 04/25/2022					
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	*0.12*		"	*0.125*		*99.5*	*70-130*			
Surrogate: Toluene-d8	*0.13*		"	*0.125*		*102*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.12*		"	*0.125*		*93.4*	*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
Batch B2D2308 - EPA 5030 (soil)										
LCS (B2D2308-BS1)					Prepared: 04/23/2022 Analyzed: 04/25/2022					
1,2,4-Trimethylbenzene	0.105	0.00200	mg/kg	0.100		105	70-130			
1,3,5-Trimethylbenzene	0.105	0.00200	"	0.100		105	70-130			
Benzene	0.102	0.00200	"	0.100		102	70-130			
Ethylbenzene	0.105	0.00200	"	0.100		105	70-130			
Naphthalene	0.101	0.0100	"	0.100		101	70-130			
Toluene	0.112	0.00200	"	0.100		112	70-130			
o-Xylene	0.103	0.00200	"	0.100		103	70-130			
m,p-Xylene	0.210	0.00400	"	0.200		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.12*		"	*0.125*		*97.0*	*70-130*			
Surrogate: Toluene-d8	*0.12*		"	*0.125*		*99.5*	*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
Batch B2D2308 - EPA 5030 (soil)										
Matrix Spike (B2D2308-MS1)		**Source: Y204499-01**			Prepared: 04/23/2022 Analyzed: 04/25/2022					
1,2,4-Trimethylbenzene	0.103	0.00200	mg/kg	0.100	0.000560	103	70-130			
1,3,5-Trimethylbenzene	0.102	0.00200	"	0.100	ND	102	70-130			
Benzene	0.102	0.00200	"	0.100	ND	102	70-130			
Ethylbenzene	0.103	0.00200	"	0.100	ND	103	70-130			
Naphthalene	0.106	0.0100	"	0.100	0.00234	103	70-130			
Toluene	0.112	0.00200	"	0.100	ND	112	70-130			
o-Xylene	0.103	0.00200	"	0.100	ND	103	70-130			
m,p-Xylene	0.205	0.00400	"	0.200	0.000560	102	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.13*		"	*0.125*		*103*	*70-130*			
Surrogate: Toluene-d8	*0.12*		"	*0.125*		*99.2*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.13*		"	*0.125*		*101*	*70-130*			

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Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Stephens J #31-9

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
Batch B2D2308 - EPA 5030 (soil)										
Matrix Spike Dup (B2D2308-MSD1)		**Source: Y204499-01**		Prepared: 04/23/2022 Analyzed: 04/25/2022						
1,2,4-Trimethylbenzene	0.101	0.00200	mg/kg	0.100	0.000560	101	70-130	1.88	20	
1,3,5-Trimethylbenzene	0.101	0.00200	"	0.100	ND	101	70-130	1.73	20	
Benzene	0.101	0.00200	"	0.100	ND	101	70-130	1.18	20	
Ethylbenzene	0.100	0.00200	"	0.100	ND	100	70-130	2.74	20	
Naphthalene	0.105	0.0100	"	0.100	0.00234	103	70-130	0.227	20	
Toluene	0.108	0.00200	"	0.100	ND	108	70-130	2.82	20	
o-Xylene	0.0997	0.00200	"	0.100	ND	99.7	70-130	2.87	20	
m,p-Xylene	0.200	0.00400	"	0.200	0.000560	99.7	70-130	2.53	20	
Surrogate: 1,2-Dichloroethane-d4	*0.13*		"	*0.125*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.12*		"	*0.125*		*98.3*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.13*		"	*0.125*		*101*	*70-130*			

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Martin C Eckert III
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Project: Noble - Stephens J #31-9

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
Batch B2D2612 - EPA 3550B										
Blank (B2D2612-BLK1)					Prepared: 04/26/2022 Analyzed: 04/28/2022					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	*20*		*"*	*24.9*		*80.8*	*50-150*			

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Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Stephens J #31-9

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 B2D2612 - EPA 3550B										
LCS (B2D2612-BS1)					Prepared: 04/26/2022 Analyzed: 04/28/2022					
Diesel (C10-C28)	793	50.0	mg/kg	1000		79.3	70-130			
Residual Range Organics (C28-C40)	763	200	"	1000		76.3	70-130			
Surrogate: o-Terphenyl	*35*		*"*	*49.8*		*69.9*	*50-150*			

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Project: Noble - Stephens J #31-9

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 B2D2612 - EPA 3550B										
Matrix Spike (B2D2612-MS1)		**Source: Y204548-01**			Prepared: 04/26/2022 Analyzed: 04/28/2022					
Diesel (C10-C28)	831	50.0	mg/kg	1000	119	71.2	70-130			
Residual Range Organics (C28-C40)	1230	200	"	1000	407	82.4	70-130			
Surrogate: o-Terphenyl	*36*		*"*	*49.8*		*73.3*	*50-150*			

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Martin C Eckert III
Project Number: [none]
Project: Noble - Stephens J #31-9

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
Batch B2D2612 - EPA 3550B										
Matrix Spike Dup (B2D2612-MSD1)		**Source: Y204548-01**		Prepared: 04/26/2022 Analyzed: 04/28/2022						
Diesel (C10-C28)	765	50.0	mg/kg	1000	119	64.7	70-130	8.20	35	QM-07
Residual Range Organics (C28-C40)	1070	200	"	1000	407	66.5	70-130	13.8	35	QM-07
Surrogate: o-Terphenyl	*42*		*"*	*49.8*		*83.8*	*50-150*			

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Project: Noble - Stephens J #31-9

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

Saturated Paste - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B2D2505 - NO PREP										
Blank (B2D2505-BLK1)					Prepared: 04/25/2022 Analyzed: 04/26/2022					
Specific Conductance (EC)	0.00240	0.00500	mmhos/cm							
Duplicate (B2D2505-DUP1)			**Source: Y204358-01**		Prepared: 04/25/2022 Analyzed: 04/26/2022					
Specific Conductance (EC)	0.330	0.00500	mmhos/cm		0.350			5.94	25	
Batch B2D2507 - NO PREP										
Duplicate (B2D2507-DUP1)			**Source: Y204358-01**		Prepared: 04/25/2022 Analyzed: 04/26/2022					
pH	7.71		pH Units		7.64			0.912	25	

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ORIGINS LABORATORY, INC

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Stephens J #31-9

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
Batch L612469 - 3550B										
MSD (L 91319-MSD-L612469)		**Source: 91319**			Prepared: 04/25/2022 Analyzed: 04/27/2022					
Benzo(b)fluoranthene	0.0857	0.000585	mg/Kg	0.164	0.00252	50.7	30-130	6	30	
Pyrene	0.111	0.000643	"	0.164	0.00954	61.8	30-130	0.8	30	
Naphthalene	0.101	0.000484	"	0.164	0.000792	61.1	30-130	2	30	
Indeno(1,2,3-cd)pyrene	0.0946	0.000627	"	0.164	0.00104	57	30-130	9.7	30	
Fluorene	0.108	0.000286	"	0.164	0.00135	65	30-130	1.8	30	
Fluoranthene	0.114	0.000394	"	0.164	0.0126	61.8	30-130	0.8	30	
Dibenz(a,h)anthracene	0.117	0.000614	"	0.164	91319	71.3	30-130	7	30	
Acenaphthene	0.101	0.000304	"	0.164	0.000992	60.9	30-130	0	30	
Benzo(k)fluoranthene	0.0869	0.000437	"	0.164	0.00211	51.7	30-130	9.2	30	
Benzo(a)pyrene	0.116	0.000468	"	0.164	0.00273	69	30-130	4.2	30	
1-Methylnaphthalene	0.0995	0.000364	"	0.164	0.00196	59.4	30-130	1	30	
Benzo(a)anthracene	0.113	0.000493	"	0.164	0.00339	66.8	30-130	3.4	30	
Anthracene	0.104	0.000334	"	0.164	0.0025	61.8	30-130	0.9	30	
2-Methylnaphthalene	0.101	0.000645	"	0.164	0.00338	59.5	30-130	1.6	30	
Chrysene	0.113	0.000624	"	0.164	0.00464	66	30-130	0.8	30	
Surrogate: Nitrobenzene-d5	*68.3*		"	*0.329*	*224*	*68.3*	*29-110*			
Surrogate: 2-Fluorobiphenyl	*61*		"	*0.329*	*198*	*61*	*33-115*			
Surrogate: 4-Terphenyl-d14	*71.4*		"	*0.329*	*232*	*71.4*	*33-122*			
MS (L 91319-MS-L612469)		**Source: 91319**			Prepared: 04/25/2022 Analyzed: 04/27/2022					
Naphthalene	0.099	0.000484	mg/Kg	0.164	0.000792	59.8	30-130			
1-Methylnaphthalene	0.0985	0.000364	"	0.164	0.00196	58.8	30-130			
Fluoranthene	0.115	0.000394	"	0.164	0.0126	62.4	30-130			
Fluorene	0.106	0.000286	"	0.164	0.00135	63.8	30-130			
Pyrene	0.112	0.000643	"	0.164	0.00954	62.4	30-130			
Indeno(1,2,3-cd)pyrene	0.0858	0.000627	"	0.164	0.00104	51.6	30-130			
Dibenz(a,h)anthracene	0.109	0.000614	"	0.164	91319	66.4	30-130			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L612469 - 3550B										
MS (L 91319-MS-L612469)		**Source: 91319**			Prepared: 04/25/2022 Analyzed: 04/27/2022					
Chrysene	0.114	0.000624	mg/Kg	0.164	0.00464	66.6	30-130			
Benzo(k)fluoranthene	0.0953	0.000437	"	0.164	0.00211	56.8	30-130			
Benzo(a)pyrene	0.121	0.000468	"	0.164	0.00273	72.1	30-130			
Benzo(a)anthracene	0.117	0.000493	"	0.164	0.00339	69.2	30-130			
2-Methylnaphthalene	0.0993	0.000645	"	0.164	0.00338	58.4	30-130			
Anthracene	0.105	0.000334	"	0.164	0.0025	62.5	30-130			
Acenaphthene	0.101	0.000304	"	0.164	0.000992	60.9	30-130			
Benzo(b)fluoranthene	0.0807	0.000585	"	0.164	0.00252	47.6	30-130			
Surrogate: 2-Fluorobiphenyl	*62.3*		"	*0.329*	*198*	*62.3*	*33-115*			
Surrogate: 4-Terphenyl-d14	*72.6*		"	*0.329*	*232*	*72.6*	*33-122*			
Surrogate: Nitrobenzene-d5	*69.3*		"	*0.329*	*224*	*69.3*	*29-110*			
LCS (LCS-L612469)					Prepared: 04/25/2022 Analyzed: 04/27/2022					
Pyrene	0.111	0.000643	mg/Kg	0.167		66.4	30-130			
Dibenz(a,h)anthracene	0.123	0.000614	"	0.167		73.6	30-130			
Fluorene	0.103	0.000286	"	0.167		61.6	30-130			
Indeno(1,2,3-cd)pyrene	0.0939	0.000627	"	0.167		56.2	30-130			
Benzo(k)fluoranthene	0.107	0.000437	"	0.167		64	30-130			
Chrysene	0.11	0.000624	"	0.167		65.8	30-130			
Naphthalene	0.0989	0.000484	"	0.167		59.2	30-130			
1-Methylnaphthalene	0.0964	0.000364	"	0.167		57.7	30-130			
Benzo(a)pyrene	0.115	0.000468	"	0.167		68.8	30-130			
Benzo(a)anthracene	0.114	0.000493	"	0.167		68.2	30-130			
Anthracene	0.109	0.000334	"	0.167		65.2	30-130			
Acenaphthene	0.0991	0.000304	"	0.167		59.3	30-130			
2-Methylnaphthalene	0.0942	0.000645	"	0.167		56.4	30-130			
Fluoranthene	0.112	0.000394	"	0.167		67	30-130			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L612469 - 3550B										
LCS (LCS-L612469)						Prepared: 04/25/2022 Analyzed: 04/27/2022				
Benzo(b)fluoranthene	0.098	0.000585	mg/Kg	0.167		58.6	30-130			
Surrogate: Nitrobenzene-d5	*73.5*		"	*0.333*		*73.5*	*29-110*			
Surrogate: 4-Terphenyl-d14	*79.2*		"	*0.333*		*79.2*	*33-122*			
Surrogate: 2-Fluorobiphenyl	*63*		"	*0.333*		*63*	*33-115*			
LRB (LRB-L612469)						Prepared: 04/25/2022 Analyzed: 04/27/2022				
Dibenz(a,h)anthracene	ND	0.00067	mg/Kg				-			
Fluoranthene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Naphthalene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Pyrene	ND	0.00067	"				-			
Acenaphthene	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	*72*		"	*0.333*		*72*	*29-110*			
Surrogate: 4-Terphenyl-d14	*78.9*		"	*0.333*		*78.9*	*33-122*			
Surrogate: 2-Fluorobiphenyl	*62.4*		"	*0.333*		*62.4*	*33-115*			

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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.

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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