



June 21, 2023

Eagle Environmental Consulting, LLC

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Jepsen 1

Project Number - [none]

Attached are your analytical results for Noble - Jepsen 1 received by Origins Laboratory, Inc. June 06, 2023. This project is associated with Origins project number Y306120-01.

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, LLC  
8000 W 44th Ave  
Wheat Ridge CO 80033

Martin C Eckert III  
Project Number: [none]  
Project: Noble - Jepsen 1

### CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-FS-01@6'	Y306120-01	Soil	June 6, 2023 8:48	06/06/2023 14:45

A pH rerun was requested per Grace's email request on 06/14/2023. No errors were found in the original data, all three results are reported. JAB

Origins Laboratory, Inc.

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Jordan A. Bynon, Project Manager



# ORIGINS

LABORATORY, INC

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

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Jepsen 1

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

Origins Work Order: Bowled Client: Eagle  
 Client Project ID: Jepsen1

Checklist Completed by: J. Jensen Shipped Via: Hand  
 Date/time completed: 6/16/12 (UPS, FedEx, Hand Delivered, Pick-up, etc.)  
 Airbill #: NA

Matrix(s) Received: (Check all that apply):  Soil/Solid  Water  Other: \_\_\_\_\_  
 Cooler Number/Temperature: 1, 45 °C \_\_\_\_\_ °C \_\_\_\_\_ °C (Describe)  
 Thermometer ID: 7004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C <sup>(1)</sup> ?	/			
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 <sup>(1)</sup> ?	/			
Was adequate sample volume provided <sup>(1)</sup> ?	/			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?		/		
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	/			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	/			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	/			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	/			
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 <sup>(1)</sup> ? (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):				

<sup>(1)</sup>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: [Signature]

Date/Time Reviewed: 6/16/12

Origins Laboratory, Inc.

[Signature]

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Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Jepsen 1

**WH-FS-01@6'**  
**6/6/2023 8:48:00AM**

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y306120-01 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.186	0.0999	mg/L	1	B3F0912	KAP	06/09/2023	06/12/2023	
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3F0701	ZZZ	06/07/2023	06/07/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	83.8 %		50-150		"	"	"	"	
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3F0724	ZZZ	06/07/2023	06/07/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Benzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Naphthalene	ND	0.00380	"	"	"	ZZZ	"	"	U
Toluene	ND	0.00200	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.00200	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4	99.4 %		70-130		"	"	"	"	
Surrogate: Toluene-d8	100 %		70-130		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	102 %		70-130		"	"	"	"	

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WH-FS-01@6'  
 6/6/2023 8:48:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y306120-01 (Soil)**

**Metals by Saturated Paste by EPA 6010**

Calcium	0.712	0.499	meq/L	10	[CALC]	KAP	06/07/2023	06/08/2023	
Magnesium	ND	0.823	"	"	"	KAP	"	"	
Sodium	2.63	0.435	"	"	"	KAP	"	"	

**PAH by EPA 8270E**

1-Methylnaphthalene	ND	0.002	mg/kg	1	B3F0719	agile	06/07/2023	06/07/2023	U
2-Methylnaphthalene	ND	0.002	"	"	"	agile	"	"	U
Acenaphthene	ND	0.020	"	"	"	agile	"	"	U
Anthracene	ND	0.020	"	"	"	agile	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	agile	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	agile	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Chrysene	ND	0.020	"	"	"	agile	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	agile	"	"	U
Fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Fluorene	ND	0.020	"	"	"	agile	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	agile	"	"	U
Pyrene	ND	0.020	"	"	"	agile	"	"	U

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**WH-FS-01@6'**  
**6/6/2023 8:48:00AM**

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y306120-01 (Soil)**

**PAH by EPA 8270E**

Surrogate: Nitrobenzene-d5	109 %		60-130		B3F07 19		06/07/2023	06/07/2023	
Surrogate: 2-Fluorobiphenyl	99.6 %		60-130		"	"	"	"	"
Surrogate: Terphenyl-d14	102 %		60-130		"	"	"	"	"

**pH in Soil by 9045D**

pH	8.39		pH Units	1	B3F0714	HJD	06/07/2023	06/08/2023	
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**SAR by 20B Saturated Paste**

SAR	4.04		SAR	1	B3F0713	KAP	06/07/2023	06/08/2023	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.425	0.00500	mmhos/cm	1	B3F0714	HJD	06/07/2023	06/08/2023	
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Jordan A. Bynon, Project Manager



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WH-FS-01@6'

6/6/2023 8:48:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y306120-01RE1 (Soil)

**pH in Soil by 9045D**

pH	8.20		pH Units	1	B3F1614	ACN	06/07/2023	06/17/2023	
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Origins Laboratory, Inc.  
*Bynon*

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Project Number: [none]  
Project: Noble - Jepsen 1

WH-FS-01@6'  
6/6/2023 8:48:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y306120-01RE2 (Soil)

**pH in Soil by 9045D**

pH	8.14		pH Units	1	B3F1614	ACN	06/07/2023	06/17/2023	
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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 B3F0701 - EPA 3550B

Blank (B3F0701-BLK1)

Prepared: 06/07/2023 Analyzed: 06/07/2023

Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	23		"	24.9		91.1	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 B3F0701 - EPA 3550B

LCS (B3F0701-BS1)

Prepared: 06/07/2023 Analyzed: 06/07/2023

Diesel (C10-C28)	941	50.0	mg/kg	1000		94.1	70-130			
Residual Range Organics (C28-C40)	934	200	"	1000		93.4	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 B3F0701 - EPA 3550B

Matrix Spike (B3F0701-MS1)

Source: Y306119-01

Prepared: 06/07/2023 Analyzed: 06/07/2023

Diesel (C10-C28)	967	50.0	mg/kg	1000	ND	96.7	70-130			
Residual Range Organics (C28-C40)	938	200	"	1000	ND	93.8	70-130			
Surrogate: o-Terphenyl	41		"	49.8		81.5	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 B3F0701 - EPA 3550B

Matrix Spike Dup (B3F0701-MSD1)

Source: Y306119-01

Prepared: 06/07/2023 Analyzed: 06/07/2023

Diesel (C10-C28)	938	50.0	mg/kg	1000	ND	93.8	70-130	2.98	35	
Residual Range Organics (C28-C40)	914	200	"	1000	ND	91.4	70-130	2.63	35	
Surrogate: o-Terphenyl	46		"	49.8		92.8	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 B3F0724 - EPA 5030 (soil)

Blank (B3F0724-BLK1)

Prepared: 06/07/2023 Analyzed: 06/07/2023

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	0.12		"	0.125		98.9	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.8	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		97.6	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 B3F0724 - EPA 5030 (soil)

LCS (B3F0724-BS1)

Prepared: 06/07/2023 Analyzed: 06/07/2023

1,2,4-Trimethylbenzene	0.108	0.00200	mg/kg	0.100	108	108	70-130			
1,3,5-Trimethylbenzene	0.102	0.00200	"	0.100	102	102	70-130			
Benzene	0.0952	0.00200	"	0.100	95.2	95.2	70-130			
Ethylbenzene	0.0906	0.00200	"	0.100	90.6	90.6	70-130			
Naphthalene	0.0929	0.00380	"	0.100	92.9	92.9	70-130			
Toluene	0.0977	0.00200	"	0.100	97.7	97.7	70-130			
o-Xylene	0.0896	0.00200	"	0.100	89.6	89.6	70-130			
m,p-Xylene	0.202	0.00400	"	0.200	101	101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125	103	103	70-130			
Surrogate: Toluene-d8	0.13		"	0.125	101	101	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125	85.8	85.8	70-130			

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Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Jepsen 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 B3F0724 - EPA 5030 (soil)

Matrix Spike (B3F0724-MS1)

Source: Y306074-02

Prepared: 06/07/2023 Analyzed: 06/07/2023

1,2,4-Trimethylbenzene	0.105	0.00200	mg/kg	0.100	0.00768	97.0	70-130			
1,3,5-Trimethylbenzene	0.103	0.00200	"	0.100	0.00228	101	70-130			
Benzene	0.0757	0.00200	"	0.100	ND	75.7	70-130			
Ethylbenzene	0.100	0.00200	"	0.100	0.00160	98.7	70-130			
Naphthalene	0.0829	0.00380	"	0.100	0.00498	77.9	70-130			
Toluene	0.0843	0.00200	"	0.100	ND	84.3	70-130			
o-Xylene	0.0964	0.00200	"	0.100	0.00320	93.2	70-130			
m,p-Xylene	0.213	0.00400	"	0.200	0.0111	101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		86.1	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	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 B3F0724 - EPA 5030 (soil)

Matrix Spike Dup (B3F0724-MSD1)

Source: Y306074-02

Prepared: 06/07/2023 Analyzed: 06/07/2023

1,2,4-Trimethylbenzene	0.101	0.00200	mg/kg	0.100	0.00768	93.5	70-130	3.42	20	
1,3,5-Trimethylbenzene	0.0986	0.00200	"	0.100	0.00228	96.3	70-130	4.66	20	
Benzene	0.0764	0.00200	"	0.100	ND	76.4	70-130	0.920	20	
Ethylbenzene	0.0929	0.00200	"	0.100	0.00160	91.3	70-130	7.74	20	
Naphthalene	0.0980	0.00380	"	0.100	0.00498	93.0	70-130	16.8	20	
Toluene	0.0817	0.00200	"	0.100	ND	81.7	70-130	3.06	20	
o-Xylene	0.0932	0.00200	"	0.100	0.00320	90.0	70-130	3.33	20	
m,p-Xylene	0.197	0.00400	"	0.200	0.0111	92.9	70-130	7.84	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		94.7	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.0	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.6	70-130			

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Martin C Eckert III  
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 Project: Noble - Jepsen 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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**EPA 8270E (SW846) - Semivolatile Organic Compounds - 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 B3F0719 - EPA 3580**

**Blank (B3F0719-BLK1)**

Prepared: 06/07/2023 Analyzed: 06/07/2023

1-Methylnaphthalene	ND	0.002	mg/kg							U
2-Methylnaphthalene	ND	0.002	"							U
Acenaphthene	ND	0.020	"							U
Anthracene	ND	0.020	"							U
Benzo (a) anthracene	ND	0.005	"							U
Benzo (a) pyrene	ND	0.020	"							U
Benzo (b) fluoranthene	ND	0.020	"							U
Benzo (g,h,i) perylene	ND	0.020	"							U
Benzo (k) fluoranthene	ND	0.020	"							U
Chrysene	ND	0.020	"							U
Dibenz (a,h) anthracene	ND	0.020	"							U
Fluoranthene	ND	0.020	"							U
Fluorene	ND	0.020	"							U
Indeno (1,2,3-cd) pyrene	ND	0.020	"							U
Naphthalene	ND	0.002	"							U
Phenanthrene	ND	0.020	"							U
Pyrene	ND	0.020	"							U
Surrogate: Nitrobenzene-d5	220		ug/kg	200		109	60-130			
Surrogate: 2-Fluorobiphenyl	200		"	200		98.8	60-130			
Surrogate: Terphenyl-d14	210		"	200		107	60-130			

**LCS (B3F0719-BS1)**

Prepared: 06/07/2023 Analyzed: 06/07/2023

Origins Laboratory, Inc.

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Jordan A. Bynon, Project Manager



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

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Jepsen 1

**EPA 8270E (SW846) - Semivolatile Organic Compounds - 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 B3F0719 - EPA 3580**

**LCS (B3F0719-BS1)**

Prepared: 06/07/2023 Analyzed: 06/07/2023

1-Methylnaphthalene	0.193	0.002	mg/kg	0.200		96.3	70-130			
2-Methylnaphthalene	0.192	0.002	"	0.200		96.0	70-130			
Acenaphthene	0.191	0.020	"	0.200		95.6	70-130			
Anthracene	0.192	0.020	"	0.200		95.9	70-130			
Benzo (a) anthracene	0.214	0.005	"	0.200		107	70-130			
Benzo (a) pyrene	0.205	0.020	"	0.200		103	70-130			
Benzo (b) fluoranthene	0.201	0.020	"	0.200		100	70-130			
Benzo (g,h,i) perylene	0.223	0.020	"	0.200		111	70-130			
Benzo (k) fluoranthene	0.206	0.020	"	0.200		103	70-130			
Chrysene	0.211	0.020	"	0.200		106	70-130			
Dibenz (a,h) anthracene	0.197	0.020	"	0.200		98.5	70-130			
Fluoranthene	0.196	0.020	"	0.200		97.8	70-130			
Fluorene	0.189	0.020	"	0.200		94.7	70-130			
Indeno (1,2,3-cd) pyrene	0.217	0.020	"	0.200		108	70-130			
Naphthalene	0.196	0.002	"	0.200		97.9	70-130			
Phenanthrene	0.191	0.020	"	0.200		95.7	70-130			
Pyrene	0.219	0.020	"	0.200		109	70-130			
Surrogate: Nitrobenzene-d5	220		ug/kg	200		112	60-130			
Surrogate: 2-Fluorobiphenyl	200		"	200		97.9	60-130			
Surrogate: Terphenyl-d14	200		"	200		101	60-130			

**Matrix Spike (B3F0719-MS1)**

Source: Y306119-01

Prepared: 06/07/2023 Analyzed: 06/07/2023

1-Methylnaphthalene	0.181	0.002	mg/kg	0.200	ND	90.7	70-130			
2-Methylnaphthalene	0.180	0.002	"	0.200	ND	89.9	70-130			
Acenaphthene	0.183	0.020	"	0.200	ND	91.7	70-130			
Anthracene	0.187	0.020	"	0.200	ND	93.7	70-130			
Benzo (a) anthracene	0.205	0.005	"	0.200	ND	103	70-130			

Origins Laboratory, Inc.

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Jordan A. Bynon, Project Manager



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 Wheat Ridge CO 80033

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Jepsen 1

**EPA 8270E (SW846) - Semivolatile Organic Compounds - 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 B3F0719 - EPA 3580**

**Matrix Spike (B3F0719-MS1)**

**Source: Y306119-01**

Prepared: 06/07/2023 Analyzed: 06/07/2023

Benzo (a) pyrene	0.206	0.020	mg/kg	0.200	ND	103	70-130			
Benzo (b) fluoranthene	0.197	0.020	"	0.200	ND	98.5	70-130			
Benzo (g,h,i) perylene	0.220	0.020	"	0.200	ND	110	70-130			
Benzo (k) fluoranthene	0.199	0.020	"	0.200	ND	99.3	70-130			
Chrysene	0.204	0.020	"	0.200	ND	102	70-130			
Dibenz (a,h) anthracene	0.208	0.020	"	0.200	0.004	102	70-130			
Fluoranthene	0.191	0.020	"	0.200	ND	95.7	70-130			
Fluorene	0.189	0.020	"	0.200	ND	94.6	70-130			
Indeno (1,2,3-cd) pyrene	0.212	0.020	"	0.200	ND	106	70-130			
Naphthalene	0.187	0.002	"	0.200	0.002	92.9	70-130			
Phenanthrene	0.194	0.020	"	0.200	0.002	95.8	70-130			
Pyrene	0.200	0.020	"	0.200	ND	100	70-130			

Surrogate: Nitrobenzene-d5	220		ug/kg	200		109	60-130			
Surrogate: 2-Fluorobiphenyl	200		"	200		99.7	60-130			
Surrogate: Terphenyl-d14	200		"	200		99.4	60-130			

**Matrix Spike Dup (B3F0719-MSD1)**

**Source: Y306119-01**

Prepared: 06/07/2023 Analyzed: 06/07/2023

1-Methylnaphthalene	0.191	0.002	mg/kg	0.200	ND	95.4	70-130	5.06	20	
2-Methylnaphthalene	0.191	0.002	"	0.200	ND	95.6	70-130	6.15	20	
Acenaphthene	0.189	0.020	"	0.200	ND	94.5	70-130	3.07	20	
Anthracene	0.196	0.020	"	0.200	ND	97.8	70-130	4.25	20	
Benzo (a) anthracene	0.211	0.005	"	0.200	ND	106	70-130	2.70	20	
Benzo (a) pyrene	0.194	0.020	"	0.200	ND	97.1	70-130	5.91	20	
Benzo (b) fluoranthene	0.198	0.020	"	0.200	ND	99.0	70-130	0.497	20	
Benzo (g,h,i) perylene	0.212	0.020	"	0.200	ND	106	70-130	3.61	20	
Benzo (k) fluoranthene	0.199	0.020	"	0.200	ND	99.3	70-130	0.0133	20	
Chrysene	0.223	0.020	"	0.200	ND	111	70-130	8.89	20	

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Jordan A. Bynon, Project Manager



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 Wheat Ridge CO 80033

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Jepsen 1

**EPA 8270E (SW846) - Semivolatile Organic Compounds - 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 B3F0719 - EPA 3580

Matrix Spike Dup (B3F0719-MSD1)

Source: Y306119-01

Prepared: 06/07/2023 Analyzed: 06/07/2023

Dibenz (a,h) anthracene	0.192	0.020	mg/kg	0.200	0.004	93.7	70-130	8.44	20	
Fluoranthene	0.196	0.020	"	0.200	ND	97.8	70-130	2.18	20	
Fluorene	0.191	0.020	"	0.200	ND	95.7	70-130	1.14	20	
Indeno (1,2,3-cd) pyrene	0.210	0.020	"	0.200	ND	105	70-130	0.718	20	
Naphthalene	0.191	0.002	"	0.200	0.002	94.5	70-130	1.70	20	
Phenanthrene	0.197	0.020	"	0.200	0.002	97.3	70-130	1.49	20	
Pyrene	0.220	0.020	"	0.200	ND	110	70-130	9.51	20	
Surrogate: Nitrobenzene-d5	220		ug/kg	200		112	60-130			
Surrogate: 2-Fluorobiphenyl	200		"	200		97.5	60-130			
Surrogate: Terphenyl-d14	220		"	200		112	60-130			

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 Wheat Ridge CO 80033

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Jepsen 1

**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 B3F0713 - Saturated Paste Metals**

**Blank (B3F0713-BLK1)**

Prepared: 06/07/2023 Analyzed: 06/08/2023

SAR	0.00		SAR							
Calcium PPM	ND	10.0	mg/L							
Magnesium PPM	ND	10.0	"							
Sodium PPM	ND	10.0	"							

**Duplicate (B3F0713-DUP1)**

Source: Y306091-01

Prepared: 06/07/2023 Analyzed: 06/08/2023

Calcium PPM	153	10.0	mg/L		157		2.85	50		
SAR	0.00		SAR		8.71		200	200		
Magnesium PPM	44.3	10.0	mg/L		45.4		2.52	50		
Sodium PPM	485	10.0	"		482		0.784	50		

**Batch B3F0912 - DTPA Sorbitol Preparation**

**Blank (B3F0912-BLK1)**

Prepared: 06/09/2023 Analyzed: 06/12/2023

Boron	ND	0.100	mg/L							
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**Duplicate (B3F0912-DUP1)**

Source: Y306091-01

Prepared: 06/09/2023 Analyzed: 06/12/2023

Boron	0.445	0.101	mg/L		0.572		25.0	50		
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Jordan A. Bynon, Project Manager



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

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Jepsen 1

**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 B3F0714 - Saturated Paste pH/EC**

**Blank (B3F0714-BLK1)**

Prepared: 06/07/2023 Analyzed: 06/08/2023

Specific Conductance (EC) ND 0.00500 mmhos/cm

**Duplicate (B3F0714-DUP1)**

**Source: Y306091-01**

Prepared: 06/07/2023 Analyzed: 06/08/2023

pH 7.99 pH Units 8.18 2.35 25

Specific Conductance (EC) 3.09 0.00500 mmhos/cm 2.94 4.97 25

**Batch B3F1614 - Saturated Paste pH/EC**

**Duplicate (B3F1614-DUP1)**

**Source: Y306385-01**

Prepared: 06/16/2023 Analyzed: 06/17/2023

pH 8.23 pH Units 8.20 0.365 25

Origins Laboratory, Inc.

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Jordan A. Bynon, Project Manager



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

Martin C Eckert III  
Project Number: [none]  
Project: Noble - Jepsen 1

### 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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