



May 18, 2023

Eagle Environmental Consulting, LLC

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Sitzman #27-8

Project Number - [none]

Attached are your analytical results for Noble - Sitzman #27-8 received by Origins Laboratory, Inc. May 08, 2023. This project is associated with Origins project number Y305225-01.

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.

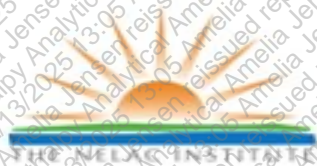
The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

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, LLC  
8000 W 44th Ave  
Wheat Ridge CO 80033

Martin C Eckert III  
Project Number: [none]  
Project: Noble - Sitzman #27-8

### CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-FS-01@6'	Y305225-01	Soil	May 8, 2023 13:15	05/08/2023 14:29

Origins Laboratory, Inc.

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

**Sample Receipt Checklist**

Origins Work Order: 1805225 Client: Eagle Environ  
 Client Project ID: Sitzman #278


Checklist Completed by: JM Shipped Via: HD  
 Date/time completed: 5/18/23 (UPS, FedEx, Hand Delivered, Pick-up, etc.)  
 Airbill #: NA

Matrix(s) Received: (Check all that apply):  Soil/Solid  Water  Other: \_\_\_\_\_  
 Cooler Number/Temperature: 1 / 119 °C \_\_\_\_\_ °C \_\_\_\_\_ °C (Describe) \_\_\_\_\_ °C  
 Thermometer ID: 1003

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>		<input checked="" type="checkbox"/>		SP
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 <sup>1)?</sup>	<input checked="" type="checkbox"/>			
Was adequate sample volume provided <sup>1)?</sup>	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>1)?</sup>		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely <sup>1)?</sup>	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received <sup>1)?</sup>	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC <sup>1)?</sup>	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded <sup>1)?</sup>	<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 <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)		<input checked="" type="checkbox"/>		
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 in the additional comments (above) and the case narrative.

Reviewed by (Project Manager): JM Date/Time Reviewed: 5-18-23

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 Project: Noble - Sitzman #27-8

**WH-FS-01@6'**  
**5/8/2023 1:15:00PM**

**Origins Laboratory, Inc.**  
**Y305225-01 (Soil)**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>Boron (DTPA Sorbitol)</b>									
Boron	0.434		0.0985	mg/L	1	B3E1010	05/10/2023	05/11/2023	
<b>DRO/ORO by EPA 8015D</b>									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B3E1020	05/10/2023	05/12/2023	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	60.9%		50-150	"	"	"	"	"	
<b>GBTEX+TMBs by 8260D</b>									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B3E0901	05/09/2023	05/09/2023	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

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**WH-FS-01@6'**  
**5/8/2023 1:15:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y305225-01 (Soil)**

**GBTEX+TMBs by 8260D**

Surrogate: 1,2-Dichloroethane-d4	109 %		70-130			B3E09 01	05/09/2023	05/09/2023	
Surrogate: Toluene-d8	98.0 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	95.6 %		70-130			"	"	"	

**Metals by Saturated Paste by EPA 6010**

Calcium	2.36		0.499	meq/L	10	[CALC]	05/09/2023	05/10/2023	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	3.35		0.435	"	"	"	"	"	

**PAH by 8270D SIM**

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L681295	05/11/2023	05/11/2023	
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	"	"	"	"	"	

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**WH-FS-01@6'**  
**5/8/2023 1:15:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, LLC.**  
**Y305225-01 (Soil)**

**PAH by 8270D SIM**

Fluoranthene	ND	0.000394	0.00067	mg/Kg	1	L681295	05/11/2023	05/11/2023	
Fluorene	ND	0.000286	0.00067	"	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	48.5 %		33-115			"	"	"	"
Surrogate: 4-Terphenyl-d14	67.4 %		33-122			"	"	"	"
Surrogate: Nitrobenzene-d5	47 %		29-110			"	"	"	"

**pH in Soil by 9045D**

pH	8.14			pH Units	1	B3E0908	05/09/2023	05/10/2023	
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**SAR by 20B Saturated Paste**

SAR	2.66			SAR	1	B3E0907	05/09/2023	05/10/2023	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.793		0.00500	mmhos/cm	1	B3E0908	05/09/2023	05/10/2023	
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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 B3E0901 - EPA 5030 (soil)

Blank (B3E0901-BLK1)

Prepared: 05/09/2023 Analyzed: 05/09/2023

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		106	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.0	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		94.9	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 B3E0901 - EPA 5030 (soil)

LCS (B3E0901-BS1)

Prepared: 05/09/2023 Analyzed: 05/09/2023

1,2,4-Trimethylbenzene	0.0992	0.00200	mg/kg	0.100		99.2	70-130			
1,3,5-Trimethylbenzene	0.100	0.00200	"	0.100		100	70-130			
Benzene	0.0953	0.00200	"	0.100		95.3	70-130			
Ethylbenzene	0.0931	0.00200	"	0.100		93.1	70-130			
Naphthalene	0.0970	0.00380	"	0.100		97.0	70-130			
Toluene	0.0948	0.00200	"	0.100		94.8	70-130			
o-Xylene	0.0956	0.00200	"	0.100		95.6	70-130			
m,p-Xylene	0.188	0.00400	"	0.200		93.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		106	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.0	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.3	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 B3E0901 - EPA 5030 (soil)

Matrix Spike (B3E0901-MS1)

Source: Y305222-01

Prepared: 05/09/2023 Analyzed: 05/09/2023

1,2,4-Trimethylbenzene	0.111	0.00200	mg/kg	0.100	ND	111	70-130			
1,3,5-Trimethylbenzene	0.112	0.00200	"	0.100	ND	112	70-130			
Benzene	0.108	0.00200	"	0.100	ND	108	70-130			
Ethylbenzene	0.106	0.00200	"	0.100	ND	106	70-130			
Naphthalene	0.102	0.00380	"	0.100	0.00148	100	70-130			
Toluene	0.104	0.00200	"	0.100	ND	104	70-130			
o-Xylene	0.108	0.00200	"	0.100	ND	108	70-130			
m,p-Xylene	0.212	0.00400	"	0.200	ND	106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		105	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	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 B3E0901 - EPA 5030 (soil)

Matrix Spike Dup (B3E0901-MSD1)

Source: Y305222-01

Prepared: 05/09/2023 Analyzed: 05/09/2023

1,2,4-Trimethylbenzene	0.106	0.00200	mg/kg	0.100	ND	106	70-130	4.68	20	
1,3,5-Trimethylbenzene	0.106	0.00200	"	0.100	ND	106	70-130	5.02	20	
Benzene	0.102	0.00200	"	0.100	ND	102	70-130	5.17	20	
Ethylbenzene	0.102	0.00200	"	0.100	ND	102	70-130	3.90	20	
Naphthalene	0.101	0.00380	"	0.100	0.00148	99.3	70-130	0.988	20	
Toluene	0.101	0.00200	"	0.100	ND	101	70-130	2.99	20	
o-Xylene	0.104	0.00200	"	0.100	ND	104	70-130	3.53	20	
m,p-Xylene	0.206	0.00400	"	0.200	ND	103	70-130	3.17	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		107	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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**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 B3E1020 - EPA 3550B

Blank (B3E1020-BLK1)

Prepared: 05/10/2023 Analyzed: 05/12/2023

Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	17		"	24.9		70.0	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 B3E1020 - EPA 3550B**

**LCS (B3E1020-BS1)**

Prepared: 05/10/2023 Analyzed: 05/12/2023

Diesel (C10-C28)	884	50.0	mg/kg	1000		88.4	70-130			
Residual Range Organics (C28-C40)	929	200	"	1000		92.9	70-130			
Surrogate: o-Terphenyl	44		"	49.8		87.6	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 B3E1020 - EPA 3550B**

**Matrix Spike (B3E1020-MS1)**

**Source: Y305222-01**

Prepared: 05/10/2023 Analyzed: 05/12/2023

Diesel (C10-C28)	886	50.0	mg/kg	1000	ND	88.6	70-130			
Residual Range Organics (C28-C40)	934	200	"	1000	ND	93.4	70-130			
Surrogate: o-Terphenyl	34		"	49.8		69.0	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 B3E1020 - EPA 3550B

Matrix Spike Dup (B3E1020-MSD1)

Source: Y305222-01

Prepared: 05/10/2023 Analyzed: 05/12/2023

Diesel (C10-C28)	889	50.0	mg/kg	1000	ND	88.9	70-130	0.360	35	
Residual Range Organics (C28-C40)	937	200	"	1000	ND	93.7	70-130	0.276	35	
Surrogate: o-Terphenyl	41		"	49.8		83.3	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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**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 B3E0907 - Saturated Paste Metals**

**Blank (B3E0907-BLK1)**

Prepared: 05/09/2023 Analyzed: 05/10/2023

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

**Duplicate (B3E0907-DUP1)**

Source: Y305222-01

Prepared: 05/09/2023 Analyzed: 05/10/2023

Calcium PPM	9.02	10.0	mg/L		8.35		7.71	50		
SAR	0.00		SAR		0.712		200	200		
Magnesium PPM	1.81	10.0	mg/L		1.73		4.52	50		
Sodium PPM	9.14	10.0	"		8.65		5.51	50		

**Batch B3E1010 - DTPA Sorbitol Preparation**

**Blank (B3E1010-BLK1)**

Prepared: 05/10/2023 Analyzed: 05/11/2023

Boron	ND	0.100	mg/L							
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**Duplicate (B3E1010-DUP1)**

Source: Y305225-01

Prepared: 05/10/2023 Analyzed: 05/11/2023

Boron	0.418	0.0985	mg/L		0.434		3.70	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 B3E0908 - Saturated Paste pH/EC**

**Blank (B3E0908-BLK1)**

Prepared: 05/09/2023 Analyzed: 05/10/2023

Specific Conductance (EC) ND 0.00500 mmhos/cm

**Duplicate (B3E0908-DUP1)**

**Source: Y305222-01**

Prepared: 05/09/2023 Analyzed: 05/10/2023

Specific Conductance (EC) 0.231 0.00500 mmhos/cm 0.236 2.05 25

pH 6.91 pH Units 7.20 4.11 25

Origins Laboratory, Inc.

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Jordan A. Bynon For Noelle Doyle Mathis, President



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

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Sitzman #27-8

**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 L681295 - 3550B**

**MSD (L 91524-MSD-L681295)**

**Source: 91524**

Prepared: 05/11/2023 Analyzed: 05/11/2023

Fluorene	0.104	0.00067	mg/Kg	0.167	<0.000286	62.2	30-130	13.1	30	
Pyrene	0.0984	0.00067	"	0.167	<0.000643	58.9	30-130	5.5	30	
1-Methylnaphthalene	0.0974	0.00201	"	0.167	<0.00109	58.3	30-130	4.6	30	
Indeno(1,2,3-cd)pyrene	0.0564	0.00067	"	0.167	<0.000627	33.7	30-130	1.7	30	
Fluoranthene	0.103	0.00067	"	0.167	<0.000394	61.6	30-130	6.5	30	
Dibenz(a,h)anthracene	0.0743	0.00067	"	0.167	<0.000614	44.4	30-130	4.7	30	
2-Methylnaphthalene	0.0921	0.00201	"	0.167	<0.00194	55.1	30-130	7.9	30	
Acenaphthene	0.0952	0.00067	"	0.167	<0.000304	57	30-130	9.7	30	
Anthracene	0.119	0.00067	"	0.167	<0.000334	71.2	30-130	19.1	30	
Benzo(a)anthracene	0.0726	0.00067	"	0.167	<0.000493	43.4	30-130	4.9	30	
Benzo(a)pyrene	0.107	0.00067	"	0.167	<0.000468	64	30-130	2.7	30	
Benzo(b)fluoranthene	0.0389	0.00067	"	0.167	<0.000585	23.2	30-130	0.2	30	*
Benzo(k)fluoranthene	0.0704	0.00067	"	0.167	<0.000437	42.1	30-130	13.6	30	
Chrysene	0.138	0.00067	"	0.167	<0.000624	82.6	30-130	18.4	30	

Surrogate: 2-Fluorobiphenyl

Surrogate: 4-Terphenyl-d14

Surrogate: Nitrobenzene-d5

**MS (L 91524-MS-L681295)**

**Source: 91524**

Prepared: 05/11/2023 Analyzed: 05/11/2023

Chrysene	0.166	0.00067	mg/Kg	0.166	<0.000624	100	30-130			
Fluoranthene	0.11	0.00067	"	0.166	<0.000394	66.2	30-130			
Benzo(b)fluoranthene	0.039	0.00067	"	0.166	<0.000585	23.4	30-130			*
Indeno(1,2,3-cd)pyrene	0.0554	0.00067	"	0.166	<0.000627	33.3	30-130			
Benzo(k)fluoranthene	0.0807	0.00067	"	0.166	<0.000437	48.6	30-130			
Pyrene	0.104	0.00067	"	0.166	<0.000643	62.6	30-130			
Fluorene	0.0912	0.00067	"	0.166	<0.000286	54.9	30-130			
1-Methylnaphthalene	0.102	0.00201	"	0.166	<0.00109	61.4	30-130			

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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 L681295 - 3550B**

**MS (L 91524-MS-L681295)**

**Source: 91524**

Prepared: 05/11/2023 Analyzed: 05/11/2023

Benzo(a)anthracene	0.0691	0.00067	mg/Kg	0.166	<0.000493	41.6	30-130			
Anthracene	0.0982	0.00067	"	0.166	<0.000334	59.1	30-130			
Acenaphthene	0.105	0.00067	"	0.166	<0.000304	63.2	30-130			
2-Methylnaphthalene	0.0997	0.00201	"	0.166	<0.00194	60	30-130			
Benzo(a)pyrene	0.11	0.00067	"	0.166	<0.000468	66.2	30-130			
Dibenz(a,h)anthracene	0.0779	0.00067	"	0.166	<0.000614	46.9	30-130			
Surrogate: Nitrobenzene-d5	54.8		"	0.332	151	54.8	29-110			
Surrogate: 4-Terphenyl-d14	64.7		"	0.332	236	64.7	33-122			
Surrogate: 2-Fluorobiphenyl	60.2		"	0.332	172	60.2	33-115			

**LCS (LCS-L681295)**

Prepared: 05/11/2023 Analyzed: 05/11/2023

Benzo(k)fluoranthene	0.112	0.00067	mg/Kg	0.167		67	30-130			
Chrysene	0.139	0.00067	"	0.167		83.2	30-130			
Fluoranthene	0.119	0.00067	"	0.167		71.2	30-130			
Indeno(1,2,3-cd)pyrene	0.0799	0.00067	"	0.167		47.8	30-130			
Benzo(b)fluoranthene	0.0567	0.00067	"	0.167		33.9	30-130			
Pyrene	0.118	0.00067	"	0.167		70.6	30-130			
Dibenz(a,h)anthracene	0.12	0.00067	"	0.167		71.8	30-130			
1-Methylnaphthalene	0.122	0.00201	"	0.167		73	30-130			
Benzo(a)anthracene	0.0899	0.00067	"	0.167		53.8	30-130			
Anthracene	0.144	0.00067	"	0.167		86.2	30-130			
Acenaphthene	0.0931	0.00067	"	0.167		55.7	30-130			
2-Methylnaphthalene	0.117	0.00201	"	0.167		70	30-130			
Fluorene	0.095	0.00067	"	0.167		56.8	30-130			
Benzo(a)pyrene	0.11	0.00067	"	0.167		65.8	30-130			
Surrogate: Nitrobenzene-d5	53.4		"	0.333		53.4	29-110			
Surrogate: 4-Terphenyl-d14	108		"	0.333		108	33-122			

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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 L681295 - 3550B**

**LCS (LCS-L681295)**

Prepared: 05/11/2023 Analyzed: 05/11/2023

Surrogate: 2-Fluorobiphenyl	76.2		mg/Kg	0.333		76.2	33-115			
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**LRB (LRB-L681295)**

Prepared: 05/11/2023 Analyzed: 05/11/2023

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	"							
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	51.3		"	0.333		51.3	29-110			
Surrogate: 4-Terphenyl-d14	65.7		"	0.333		65.7	33-122			
Surrogate: 2-Fluorobiphenyl	65.4		"	0.333		65.4	33-115			

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Wheat Ridge CO 80033

Martin C Eckert III  
Project Number: [none]  
Project: Noble - Sitzman #27-8

## Notes and Definitions

U Sample is Non-Detect.

\* 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.

Calculated results may use J-flag data (instead of reported "ND") as part of calculation to provide a more accurate result.

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