



June 15, 2021

Eagle Environmental Consulting, Inc.

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Werning #7-2B

Project Number - [none]

Attached are your analytical results for Noble - Werning #7-2B received by Origins Laboratory, Inc. June 08, 2021. This project is associated with Origins project number Y106187-01.

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 - Werning #7-2B

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-GW-01	Y106187-01	Water	June 8, 2021 10:55	06/08/2021 15:45

Origins Laboratory, Inc.

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Jordan A. Merrill For Noelle Doyle Mathis, President

# ORIGINS

LABORATORY, INC

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

Martin C Eckert III  
Project Number: [none]  
Project: Noble - Werning #7-2B

ORIGINS

LABORATORY, INC

4100187

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page 1 of 1

Client: Eagle Environmental Consulting, Inc.  
Address: 8000 W 44th Ave  
Wheat Ridge, CO 80033  
Telephone Number: 303.433.0479  
Email Address: mce@eagleenv.com

Project Manager: Martin C Eckert III  
Project Name: Werning #7-2B  
Project Number:  
Samples Collected By: HJS

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative	Matrix	Analysis	Sample Instructions
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							

Relinquished By: [Signature]	Date: 6/12/15	Time: 15:15	Date: 6/16/15	Time: 15:15	Turnaround Time: Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input checked="" type="checkbox"/> Standard
Relinquished By: [Signature]	Date: 6/12/15	Time: 15:15	Date: 6/16/15	Time: 15:15	Standard <input checked="" type="checkbox"/>

Temp Received: 1.8

Date Results Needed: 6/17/15

Origins Laboratory, Inc.

[Signature]

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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 - Werning #7-2B

Origins Laboratory

F-012207-01-R1

Effective Date: 01/09/12

### Sample Receipt Checklist

Origins Work Order: Y106187

Client: Eagle/Noble

Client Project ID: Werning 7-2B

Checklist Completed by: Jim

Shipped Via: HD

Date/time completed: 1/19/21

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Airbill #: N/A

Matrix(s) Received: (Check all that apply)

Soil/Solid

☒

Water

Other

(Describe)

Cooler Number/Temperature: 11.8 °C

Thermometer ID: T003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C <sup>112</sup> ?	<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 <sup>112</sup> ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided <sup>112</sup> ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>112</sup> ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely <sup>112</sup> ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received <sup>112</sup> ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC <sup>112</sup> ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded <sup>112</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>112</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 HNO <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> / (pH > 10 for samples preserved with NaAsO <sub>2</sub> /NaOH, ZnAc/NaOH)	<input checked="" type="checkbox"/>			HCl
Additional Comments (if any):				

<sup>112</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 (Project Manager): Jim

Date/Time Reviewed: 1-19-21

Origins Laboratory, Inc.

*Jim*

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8000 W 44th Ave  
Wheat Ridge CO 80033

Martin C Eckert III  
Project Number: [none]  
Project: Noble - Werning #7-2B

WH-GW-01

6/8/2021 10:55:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y106187-01 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	1.00	ug/L	1	B1F0916	KDK	06/09/2021	06/09/2021	U
1,3,5-Trimethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Benzene	4.02	1.00	"	"	"	KDK	"	"	
Ethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Naphthalene	ND	4.00	"	"	"	KDK	"	"	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	113 %	70-130	"	"	"	"	"	"	
Surrogate: Toluene-d8	98.7 %	70-130	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	99.6 %	70-130	"	"	"	"	"	"	

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Martin C Eckert III  
Project Number: [none]  
Project: Noble - Werning #7-2B

**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 B1F0916 - EPA 5030B (Water)**

**Blank (B1F0916-BLK1)**

Prepared: 06/09/2021 Analyzed: 06/09/2021

1,2,4-Trimethylbenzene	ND	1.00	ug/L							U
1,3,5-Trimethylbenzene	ND	1.00	"							U
Benzene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Naphthalene	ND	4.00	"							U
Toluene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	71		"	62.5	114		70-130			
Surrogate: Toluene-d8	62		"	62.5	99.7		70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5	101		70-130			

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Project Number: [none]

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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 B1F0916 - EPA 5030B (Water)**

**LCS (B1F0916-BS1)**

Prepared: 06/09/2021 Analyzed: 06/09/2021

1,2,4-Trimethylbenzene	53.6	1.00	ug/L	50.0	107	70-130
1,3,5-Trimethylbenzene	55.8	1.00	"	50.0	112	70-130
Benzene	50.3	1.00	"	50.0	101	70-130
Ethylbenzene	54.2	1.00	"	50.0	108	70-130
m,p-Xylene	108	2.00	"	100	108	70-130
Naphthalene	49.4	4.00	"	50.0	98.9	70-130
o-Xylene	52.6	1.00	"	50.0	105	70-130
Toluene	51.3	1.00	"	50.0	103	70-130
Surrogate: 1,2-Dichloroethane-d4	69	"	"	62.5	110	70-130
Surrogate: Toluene-d8	62	"	"	62.5	99.3	70-130
Surrogate: 4-Bromofluorobenzene	62	"	"	62.5	99.6	70-130

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Martin C Eckert III

Project Number: [none]

Project: Noble - Werning #7-2B

**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 B1F0916 - EPA 5030B (Water)**

**Matrix Spike (B1F0916-MS1)**

**Source: Y106168-02**

Prepared: 06/09/2021 Analyzed: 06/09/2021

1,2,4-Trimethylbenzene	48.1	1.00	ug/L	50.0	ND	96.2	70-130
1,3,5-Trimethylbenzene	49.6	1.00	"	50.0	ND	99.1	70-130
Benzene	47.2	1.00	"	50.0	0.420	93.6	70-130
Ethylbenzene	51.3	1.00	"	50.0	4.38	93.9	70-130
m,p-Xylene	97.3	2.00	"	100	0.370	96.9	70-130
Naphthalene	53.1	4.00	"	50.0	0.460	105	70-130
o-Xylene	49.0	1.00	"	50.0	ND	98.0	70-130
Toluene	47.2	1.00	"	50.0	ND	94.5	70-130
Surrogate: 1,2-Dichloroethane-d4	70		"	62.5		112	70-130
Surrogate: Toluene-d8	63		"	62.5		100	70-130
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.5	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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**Batch B1F0916 - EPA 5030B (Water)**

**Matrix Spike Dup (B1F0916-MSD1)**

**Source: Y106168-02**

Prepared: 06/09/2021 Analyzed: 06/10/2021

1,2,4-Trimethylbenzene	48.8	1.00	ug/L	50.0	ND	97.6	70-130	1.47	20	
1,3,5-Trimethylbenzene	48.6	1.00	"	50.0	ND	97.1	70-130	2.02	20	
Benzene	47.1	1.00	"	50.0	0.420	93.4	70-130	0.212	20	
Ethylbenzene	51.3	1.00	"	50.0	4.38	93.8	70-130	0.0585	20	
m,p-Xylene	96.1	2.00	"	100	0.370	95.7	70-130	1.23	20	
Naphthalene	56.6	4.00	"	50.0	0.460	112	70-130	6.35	20	
o-Xylene	48.5	1.00	"	50.0	ND	96.9	70-130	1.11	20	
Toluene	46.7	1.00	"	50.0	ND	93.4	70-130	1.13	20	
Surrogate: 1,2-Dichloroethane-d4	71		"	62.5		114	70-130			
Surrogate: Toluene-d8	63		"	62.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	70-130			

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Martin C Eckert III

Project Number: [none]

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### 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.

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