



October 09, 2023

Eagle Environmental Consulting, LLC

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Bolter #14-14G

Project Number - [none]

Attached are your analytical results for Noble - Bolter #14-14G received by Origins Laboratory, Inc. September 27, 2023. This project is associated with Origins project number Y309703-01.

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 - Bolter #14-14G

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GW-01	Y309703-01	Water	September 27, 2023 14:20	09/27/2023 16:30

Origins Laboratory, Inc.

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ORIGINS LABORATORY, INC

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Bolter #14-14G

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

Sample Receipt Checklist

Origins Work Order: V309703 Client: Eagle
Client Project ID: Bolter 14-14G

Checklist Completed by: JG Shipped Via: HS
(UPS, FedEx, Hand Delivered, Pick-up, etc.)
Date/time completed: 9/28/23 Airbill #: NH

Matrix(s) Received: (Check all that apply) Soil/Solid Water Other: _____
Cooler Number/Temperature: 1, 60 °C / _____ °C (Describe) _____ °C
Thermometer ID: 1004

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"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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"/>	<input type="checkbox"/>	<input 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"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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 NaOH, Na2CO3, NaOH, ZnAc/NaOH)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>DC</u>
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) JG Date/Time Reviewed 9-29-23

Origins Laboratory, Inc.

J. Bynon

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Martin C Eckert III
 Project Number: [none]
 Project: Noble - Bolter #14-14G

GW-01
9/27/2023 2:20:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y309703-01 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B312834	JSM	09/28/2023	10/03/2023	U
1,3,5-Trimethylbenzene	ND	2.00	"	"	"	JSM	"	"	U
Benzene	ND	1.00	"	"	"	JSM	"	"	U
Ethylbenzene	ND	1.00	"	"	"	JSM	"	"	U
Naphthalene	ND	2.00	"	"	"	JSM	"	"	U
Toluene	ND	1.00	"	"	"	JSM	"	"	U
Xylenes, total	ND	1.00	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4	108 %	70-130	"	"	"	"	"	"	"
Surrogate: Toluene-d8	101 %	70-130	"	"	"	"	"	"	"
Surrogate: 4-Bromofluorobenzene	103 %	70-130	"	"	"	"	"	"	"

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Martin C Eckert III
Project Number: [none]
Project: Noble - Bolter #14-14G

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 B312834 - EPA 5030B (Water)

Blank (B312834-BLK1)

Prepared: 09/28/2023 Analyzed: 10/02/2023

1,2,4-Trimethylbenzene	ND	2.00	ug/L							U
1,3,5-Trimethylbenzene	ND	2.00	"							U
Benzene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Naphthalene	ND	2.00	"							U
Toluene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		98.0	70-130			
Surrogate: Toluene-d8	59		"	62.5		95.0	70-130			
Surrogate: 4-Bromofluorobenzene	65		"	62.5		103	70-130			

Origins Laboratory, Inc.

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Jordan A. Bynon For Noelle Doyle Mathis, President



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Wheat Ridge CO 80033

Martin C Eckert III
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Project: Noble - Bolter #14-14G

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 B312834 - EPA 5030B (Water)

LCS (B312834-BS1)

Prepared: 09/28/2023 Analyzed: 10/02/2023

1,2,4-Trimethylbenzene	48.2	2.00	ug/L	50.0	96.5	70-130				
1,3,5-Trimethylbenzene	50.7	2.00	"	50.0	101	70-130				
Benzene	46.2	1.00	"	50.0	92.5	70-130				
Ethylbenzene	51.2	1.00	"	50.0	102	70-130				
m,p-Xylene	100	2.00	"	100	100	70-130				
Naphthalene	43.1	2.00	"	50.0	86.3	70-130				
o-Xylene	47.3	1.00	"	50.0	94.6	70-130				
Toluene	48.0	1.00	"	50.0	96.0	70-130				
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5	97.6	70-130				
Surrogate: Toluene-d8	59		"	62.5	94.5	70-130				
Surrogate: 4-Bromofluorobenzene	65		"	62.5	105	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 B312834 - EPA 5030B (Water)

Matrix Spike (B312834-MS1)

Source: Y309700-01

Prepared: 09/28/2023 Analyzed: 10/02/2023

1,2,4-Trimethylbenzene	37.9	2.00	ug/L	50.0	0.180	75.5	70-130			
1,3,5-Trimethylbenzene	40.1	2.00	"	50.0	ND	80.2	70-130			
Benzene	36.3	1.00	"	50.0	0.210	72.2	70-130			
Ethylbenzene	40.3	1.00	"	50.0	ND	80.5	70-130			
m,p-Xylene	79.0	2.00	"	100	ND	79.0	70-130			
Naphthalene	29.6	2.00	"	50.0	0.150	58.8	70-130			QM-07
o-Xylene	37.2	1.00	"	50.0	0.190	74.0	70-130			
Toluene	36.8	1.00	"	50.0	ND	73.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	60		"	62.5		95.8	70-130			
Surrogate: Toluene-d8	60		"	62.5		95.3	70-130			
Surrogate: 4-Bromofluorobenzene	68		"	62.5		109	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 B312834 - EPA 5030B (Water)

Matrix Spike Dup (B312834-MSD1)

Source: Y309700-01

Prepared: 09/28/2023 Analyzed: 10/02/2023

1,2,4-Trimethylbenzene	43.0	2.00	ug/L	50.0	0.180	85.6	70-130	12.5	20	
1,3,5-Trimethylbenzene	45.0	2.00	"	50.0	ND	90.1	70-130	11.7	20	
Benzene	41.6	1.00	"	50.0	0.210	82.7	70-130	13.5	20	
Ethylbenzene	43.5	1.00	"	50.0	ND	87.0	70-130	7.76	20	
m,p-Xylene	88.2	2.00	"	100	ND	88.2	70-130	11.1	20	
Naphthalene	35.4	2.00	"	50.0	0.150	70.5	70-130	17.9	20	
o-Xylene	41.5	1.00	"	50.0	0.190	82.5	70-130	10.9	20	
Toluene	41.6	1.00	"	50.0	ND	83.1	70-130	12.3	20	
Surrogate: 1,2-Dichloroethane-d4	60		"	62.5		95.9	70-130			
Surrogate: Toluene-d8	61		"	62.5		97.1	70-130			
Surrogate: 4-Bromofluorobenzene	68		"	62.5		109	70-130			

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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.
 - 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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