



August 13, 2024

Eagle Environmental Consulting, LLC

Grace Congdon

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Sater CC #18-17D

Project Number - [none]

Attached are your analytical results for Noble - Sater CC #18-17D received by Origins Laboratory, Inc. July 30, 2024. This project is associated with Origins project number Y407837-01.

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

Grace Congdon
 Project Number: [none]
 Project: Noble - Sater CC #18-17D

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-11@5-7.5'	Y407837-01	Soil	July 30, 2024 13:00	07/30/2024 18:00
SB-11@7.5-10'	Y407837-02	Soil	July 30, 2024 13:00	07/30/2024 18:00
SB-12@5-7.5'	Y407837-03	Soil	July 30, 2024 13:55	07/30/2024 18:00
SB-12@7.5-10'	Y407837-04	Soil	July 30, 2024 13:55	07/30/2024 18:00
SB-13@5-7.5'	Y407837-05	Soil	July 30, 2024 13:15	07/30/2024 18:00
SB-13@7.5-10'	Y407837-06	Soil	July 30, 2024 13:15	07/30/2024 18:00
SB-14@5-7.5'	Y407837-07	Soil	July 30, 2024 14:25	07/30/2024 18:00
SB-14@7.5-10'	Y407837-08	Soil	July 30, 2024 14:25	07/30/2024 18:00
SB-15@5-7.5'	Y407837-09	Soil	July 30, 2024 14:06	07/30/2024 18:00
SB-15@7.5-10'	Y407837-10	Soil	July 30, 2024 14:06	07/30/2024 18:00

Origins Laboratory, Inc.



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

Grace Congdon
 Project Number: [none]
 Project: Noble - Sater CC #18-17D



Project Manager: Grace Congdon
 Project Name: Sater CC #18-17D
 Project Number: 1407837

Page 1 of 1

1225 Elk Place Denver, Co. 80221 | #303.433.1322 | originslab.com | Temp Received: Received On Ice? Yes No
 Standard 48 Hr 72 Hr SAME DAY 24 Hr

#	Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix Preservative	Analysis		Comments
						Received By	Date	
1	SR-11-C-7-15-10	7/10/14	1300	3	WVP	ANALYST: [Signature]	DATE: [Signature]	pH - 8.0
2	SR-11-C-7-15-10	7/10/14	1310	5	WVP			pH - 8.0
3	SR-11-C-7-15-10	7/10/14	1320	5	WVP			pH - 8.0
4	SR-11-C-7-15-10	7/10/14	1330	5	WVP			pH - 8.0
5	SR-11-C-7-15-10	7/10/14	1340	5	WVP			pH - 8.0
6	SR-11-C-7-15-10	7/10/14	1350	5	WVP			pH - 8.0
7	SR-11-C-7-15-10	7/10/14	1405	5	WVP			pH - 8.0
8	SR-11-C-7-15-10	7/10/14	1415	5	WVP			pH - 8.0
9	SR-11-C-7-15-10	7/10/14	1425	5	WVP			pH - 8.0
10	SR-11-C-7-15-10	7/10/14	1435	5	WVP			pH - 8.0

Client: Eagle Environmental Consulting
 Address: 8000 W 44th Ave
 Telephone Number: 303-433-1322
 Email Address: gcongr@eagle-consult.com
 Project Manager: Grace Congdon
 Project Name: Sater CC #18-17D
 Project Number: 1407837
 Collected By: [Signature]
 Invoice/Billing Info: [Signature]
 S/S - Surface Water
 W/W - Waste Water
 L - Liquid
 S/Sol - Solid
 O-Oil | A-Air | G-Gas | LNV-Limpes | HCL - Hydrochloric | HNO3-Nitric | H2SO4-Sulfuric | NaOH-Sodium Hydroxide

Origins Laboratory, Inc.

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ORIGINS

LABORATORY, INC

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

Grace Congdon
 Project Number: [none]
 Project: Noble - Sater CC #18-17D

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

Sample Receipt Checklist

Origins Work Order: 4407837 Client: Eagle
 Client Project ID: SATER CO #18-17D


Checklist Completed by: JBY Shipped Via: HL
 Date/Time completed: 7/31/24 Airbill #: N/A
 Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____
 Cooler Number/Temperature: L 10 °C _____ °C _____ °C (Describe) _____ °C
 Thermometer ID: 7005

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾²		<input checked="" type="checkbox"/>		<u>SO</u>
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 ⁽¹⁾² ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾² ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTS due within 2 hours received ⁽¹⁾² ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾² ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾² ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾² ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾² ?	<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 ⁽¹⁾² ? (note ID of confirmation label 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, ZnAc2-NaOH)		<input checked="" type="checkbox"/>		
Additional Comments (if any):				

⁽¹⁾²If 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) JBY

Date/Time Reviewed 8/1/24

Origins Laboratory, Inc.


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

Grace Congdon
Project Number: [none]
Project: Noble - Sater CC #18-17D

SB-11@5-7.5'
7/30/2024 1:00:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407837-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.151	0.0985	mg/L	1	B4H0116	ACC	08/01/2024	08/02/2024	
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pH in Soil by 9045D

pH	8.56		pH Units	1	B4H0813	EAL	08/08/2024	08/09/2024	
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Origins Laboratory, Inc.
Bynon

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

Grace Congdon
Project Number: [none]
Project: Noble - Sater CC #18-17D

SB-11@7.5-10'
7/30/2024 1:00:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407837-02 (Soil)

Boron (DTPA Sorbitol)

Boron 1.57 0.101 mg/L 1 B4H0116 ACC 08/01/2024 08/02/2024

pH in Soil by 9045D

pH 8.60 pH Units 1 B4H0813 EAL 08/08/2024 08/09/2024

Origins Laboratory, Inc.

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

Grace Congdon
Project Number: [none]
Project: Noble - Sater CC #18-17D

SB-12@5-7.5'
7/30/2024 1:55:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407837-03 (Soil)

Boron (DTPA Sorbitol)

Boron	0.767	0.0996	mg/L	1	B4H0116	ACC	08/01/2024	08/02/2024	
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pH in Soil by 9045D

pH	8.41		pH Units	1	B4H0813	EAL	08/08/2024	08/09/2024	
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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Grace Congdon
Project Number: [none]
Project: Noble - Sater CC #18-17D

SB-12@7.5-10'
7/30/2024 1:55:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407837-04 (Soil)

Boron (DTPA Sorbitol)

Boron	2.16	0.0989	mg/L	1	B4H0116	ACC	08/01/2024	08/02/2024	
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pH in Soil by 9045D

pH	8.32		pH Units	1	B4H0813	EAL	08/08/2024	08/09/2024	
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Jordan A. Bynon, Project Manager



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

Grace Congdon
Project Number: [none]
Project: Noble - Sater CC #18-17D

SB-13@5-7.5'

7/30/2024 1:15:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407837-05 (Soil)

Boron (DTPA Sorbitol)

Boron	0.428	0.0983	mg/L	1	B4H0116	ACC	08/01/2024	08/02/2024	
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pH in Soil by 9045D

pH	8.53		pH Units	1	B4H0813	EAL	08/08/2024	08/09/2024	
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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Grace Congdon
Project Number: [none]
Project: Noble - Sater CC #18-17D

SB-13@7.5-10'
7/30/2024 1:15:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407837-06 (Soil)

Boron (DTPA Sorbitol)

Boron	1.74	0.0990	mg/L	1	B4H0116	ACC	08/01/2024	08/02/2024	
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pH in Soil by 9045D

pH	8.73		pH Units	1	B4H0813	EAL	08/08/2024	08/09/2024	
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Origins Laboratory, Inc.
Bynon

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

Grace Congdon
Project Number: [none]
Project: Noble - Sater CC #18-17D

SB-14@5-7.5'
7/30/2024 2:25:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407837-07 (Soil)

Boron (DTPA Sorbitol)

Boron	1.04	0.0994	mg/L	1	B4H0116	ACC	08/01/2024	08/02/2024	
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pH in Soil by 9045D

pH	8.58		pH Units	1	B4H0813	EAL	08/08/2024	08/09/2024	
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Jordan A. Bynon, Project Manager



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

Grace Congdon
Project Number: [none]
Project: Noble - Sater CC #18-17D

SB-14@7.5-10'
7/30/2024 2:25:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407837-08 (Soil)

Boron (DTPA Sorbitol)

Boron	1.19	0.0984	mg/L	1	B4H0116	ACC	08/01/2024	08/02/2024	
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pH in Soil by 9045D

pH	8.47		pH Units	1	B4H0813	EAL	08/08/2024	08/09/2024	
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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Grace Congdon
Project Number: [none]
Project: Noble - Sater CC #18-17D

SB-15@5-7.5'
7/30/2024 2:06:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407837-09 (Soil)

Boron (DTPA Sorbitol)

Boron	0.365	0.0995	mg/L	1	B4H0116	ACC	08/01/2024	08/02/2024	
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pH in Soil by 9045D

pH	8.31		pH Units	1	B4H0813	EAL	08/08/2024	08/09/2024	
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Origins Laboratory, Inc.
Bynon

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Jordan A. Bynon, Project Manager



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

Grace Congdon
Project Number: [none]
Project: Noble - Sater CC #18-17D

SB-15@7.5-10'
7/30/2024 2:06:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407837-10 (Soil)

Boron (DTPA Sorbitol)

Boron	1.01	0.0982	mg/L	1	B4H0116	ACC	08/01/2024	08/02/2024	
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pH in Soil by 9045D

pH	8.58		pH Units	1	B4H0813	EAL	08/08/2024	08/09/2024	
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 8000 W 44th Ave
 Wheat Ridge CO 80033

Grace Congdon
 Project Number: [none]
 Project: Noble - Sater CC #18-17D

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 B4H0116 - DTPA Sorbitol Preparation

Blank (B4H0116-BLK1)

Prepared: 08/01/2024 Analyzed: 08/02/2024

Boron ND 0.100 mg/L

Duplicate (B4H0116-DUP1)

Source: Y407827-01

Prepared: 08/01/2024 Analyzed: 08/02/2024

Boron 0.154 0.0994 mg/L 0.299 64.1 50 QR-DUP

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Jordan A. Bynon, Project Manager



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Wheat Ridge CO 80033

Grace Congdon
Project Number: [none]
Project: Noble - Sater CC #18-17D

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 B4H0813 - Saturated Paste pH/EC

Duplicate (B4H0813-DUP1)

Source: Y407835-06

Prepared: 08/08/2024 Analyzed: 08/09/2024

pH	7.80	pH Units	7.80	0.00	25
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Jordan A. Bynon, Project Manager

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

Grace Congdon
Project Number: [none]
Project: Noble - Sater CC #18-17D

Notes and Definitions

QR-DUP RPD exceeds QC acceptance criteria, this indicates source sample is not homogenous.

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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Jordan A. Bynon, Project Manager