



August 07, 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 Y407834-01.

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-06@2.5-5'	Y407834-01	Soil	July 30, 2024 10:27	07/30/2024 18:00
SB-06@5-7.5'	Y407834-02	Soil	July 30, 2024 10:32	07/30/2024 18:00
SB-07@2.5-5'	Y407834-03	Soil	July 30, 2024 11:06	07/30/2024 18:00
SB-07@5-7.5'	Y407834-04	Soil	July 30, 2024 11:10	07/30/2024 18:00
SB-08@2.5-5'	Y407834-05	Soil	July 30, 2024 10:56	07/30/2024 18:00
SB-08@5-7.5'	Y407834-06	Soil	July 30, 2024 11:00	07/30/2024 18:00
SB-09@2.5-5'	Y407834-07	Soil	July 30, 2024 10:42	07/30/2024 18:00
SB-09@5-7.5'	Y407834-08	Soil	July 30, 2024 10:50	07/30/2024 18:00
SB-10@2.5-5'	Y407834-09	Soil	July 30, 2024 10:37	07/30/2024 18:00
SB-10@5-7.5'	Y407834-10	Soil	July 30, 2024 10:40	07/30/2024 18:00

Origins Laboratory, Inc.


The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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: 1407834

Page 1 of 1

1225 Elk Place Denver, Co. 80211 | 303.433.1322 | originslab.com | Temp. Received - Received on Ice: Yes No

#	Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix Preservative	Analysis		Comments
						Received By	Date	
1	SB-086-5-5	7/9/19	10:37	3	WUP	AS	7/30/24	
2	SB-086-5-5	7/9/19	10:32	5	WUP	AS	7/30/24	
3	SB-086-5-5	7/9/19	11:06					
4	SB-086-5-5	7/9/19	11:10					
5	SB-086-5-5	7/9/19	11:58					
6	SB-086-5-5	7/9/19	11:00					
7	SB-086-5-5	7/9/19	10:42					
8	SB-086-5-5	7/9/19	11:50					
9	SB-086-5-5	7/9/19	11:37					
10	SB-086-5-5	7/9/19	11:40					

Address: 8000 W 44th Ave
 Client: Eagle Environmental Consulting
 Telephone Number: 303-433-1322
 Email Address: denver@originslab.com
 Project Manager: Grace Congdon
 Project Name: Sater CC #18-17D
 Project Number: 1407834
 Collected By: AS
 Invoice Billing Info: Memo Bill to Pay
 Sample Type: Liquid
 WWT-Surface Water
 WWT-Waste Water

Requisitioned By: [Signature] Date: 7/30/24 Time: 8:00
 Received By: [Signature] Date: 7/30/24 Time: 7:00
 Turnaround Time: Same Day 24 Hr 48 Hr 72 Hr

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

Sample Receipt Checklist

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

Origins Work Order: 4407834

Client: Eagle

Client Project ID: SATER CC #18-17

Checklist Completed by: WJ/AD

Shipped Via: TD

Date/Time completed: 7/31/20

Airbill #: N/A

Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____

Cooler Number/Temperature: 1/10 °C / _____ °C / _____ °C (Describe) _____ °C

Thermometer ID: 7095

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"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>SD</u>
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⁾²	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾²	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs (if written on hours received) ⁽¹⁾²	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾²	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of samples bottles received ⁽¹⁾²	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾²	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾²	<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⁾² (note ID of confirmation/initials if 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"/>	<input type="checkbox"/>	<input 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: AD (Project Manager)

8/11/24
Date/Time Reviewed

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-06@2.5-5'

7/30/2024 10:27:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407834-01 (Soil)

Table 915 metals by EPA 6020B

Arsenic	3.63	0.271	mg/kg	10	B4G3125	ACN	07/31/2024	08/02/2024	
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Origins Laboratory, Inc.

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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-06@5-7.5'

7/30/2024 10:32:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407834-02 (Soil)

Table 915 metals by EPA 6020B

Arsenic	1.25	0.285	mg/kg	10	B4G3125	ACN	07/31/2024	08/02/2024	
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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-07@2.5-5'

7/30/2024 11:06:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407834-03 (Soil)

Table 915 metals by EPA 6020B

Arsenic	1.99	0.279	mg/kg	10	B4G3125	ACN	07/31/2024	08/02/2024	
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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-07@5-7.5'

7/30/2024 11:10:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407834-04 (Soil)

Table 915 metals by EPA 6020B

Arsenic	1.25	0.271	mg/kg	10	B4G3125	ACN	07/31/2024	08/02/2024	
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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-08@2.5-5'

7/30/2024 10:56:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407834-05 (Soil)

Table 915 metals by EPA 6020B

Arsenic	2.01	0.264	mg/kg	10	B4G3125	ACN	07/31/2024	08/02/2024	
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8000 W 44th Ave
Wheat Ridge CO 80033

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

SB-08@5-7.5'

7/30/2024 11:00:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407834-06 (Soil)

Table 915 metals by EPA 6020B

Arsenic	2.01	0.262	mg/kg	10	B4G3125	ACN	07/31/2024	08/02/2024	
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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-09@2.5-5'

7/30/2024 10:42:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407834-07 (Soil)

Table 915 metals by EPA 6020B

Arsenic	1.67	0.261	mg/kg	10	B4G3125	ACN	07/31/2024	08/02/2024	
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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-09@5-7.5'
7/30/2024 10:50:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407834-08 (Soil)

Table 915 metals by EPA 6020B

Arsenic	1.28	0.260	mg/kg	10	B4G3125	ACN	07/31/2024	08/02/2024	
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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-10@2.5-5'

7/30/2024 10:37:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407834-09 (Soil)

Table 915 metals by EPA 6020B

Arsenic	1.84	0.273	mg/kg	10	B4G3125	ACN	07/31/2024	08/02/2024	
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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-10@5-7.5'

7/30/2024 10:40:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407834-10 (Soil)

Table 915 metals by EPA 6020B

Arsenic	1.63	0.262	mg/kg	10	B4G3125	ACN	07/31/2024	08/02/2024	
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Origins Laboratory, Inc.
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 8000 W 44th Ave
 Wheat Ridge CO 80033

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

Metals by EPA 6000/7000 Series Methods - 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 B4G3125 - EPA 3050B

Blank (B4G3125-BLK1) Prepared: 07/31/2024 Analyzed: 08/02/2024

Arsenic ND 0.290 mg/kg

LCS (B4G3125-BS1) Prepared: 07/31/2024 Analyzed: 08/02/2024

Arsenic 5.12 0.290 mg/kg 5.00 102 80-120

Matrix Spike (B4G3125-MS1) Source: Y407792-01 Prepared: 07/31/2024 Analyzed: 08/02/2024

Arsenic 6.68 0.274 mg/kg 4.72 1.62 107 75-125

Matrix Spike Dup (B4G3125-MSD1) Source: Y407792-01 Prepared: 07/31/2024 Analyzed: 08/02/2024

Arsenic 7.44 0.284 mg/kg 4.89 1.62 119 75-125 10.8 20

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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

Notes and Definitions

- 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