



August 26, 2024

Eagle Environmental Consulting, LLC

Grace Congdon

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Loustelet T5N-R64W-S15 L01 TB **Project Number - [none]**

Attached are your analytical results for Noble - Loustelet T5N-R64W-S15 L01 TB received by Origins Laboratory, Inc. August 12, 2024. This project is associated with Origins project number Y408279-01.

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 - Loustelet T5N-R64W-S15 L01 TB

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-01	Y408279-01	Water	August 12, 2024 11:05	08/12/2024 14:30
MW-02	Y408279-02	Water	August 12, 2024 11:20	08/12/2024 14:30
MW-03	Y408279-03	Water	August 12, 2024 11:35	08/12/2024 14:30
MW-04	Y408279-04	Water	August 12, 2024 11:50	08/12/2024 14:30
MW-05	Y408279-05	Water	August 12, 2024 12:05	08/12/2024 14:30
MW-06	Y408279-06	Water	August 12, 2024 12:20	08/12/2024 14:30

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 - Loustelet T5N-R64W-S15 L01 TB

1725 Elk Place Denver, Co. 80211 #303.433.3722 | originslab.com

Temp Received -

Received On Ice? ☒ Yes ☐ No

☒ Standard

☐ 48 Hr ☐ 72 Hr

☐ SAME DAY ☐ 24 Hr

Turnaround Time

#	Sample ID	Date	Time	# of Containers	Matrix Preservation	Analysis				Comments
						1	2	3	4	
1	MM-01	8/14/14	11:15	1	WML	X	X	X	X	
2	MM-02	8/14/14	11:15	1	WML	X	X	X	X	
3	MM-03	8/14/14	11:15	1	WML	X	X	X	X	
4	MM-04	8/14/14	11:15	1	WML	X	X	X	X	
5	MM-05	8/14/14	11:15	1	WML	X	X	X	X	
6	MM-06	8/14/14	11:15	1	WML	X	X	X	X	
7										
8										
9										
10										
Requisitioned By:	Date:	Time:	Received By:	Date:	Time:					
Requisitioned By:	Date:	Time:	Received By:	Date:	Time:					

S-Sol | SO-Solid | O-Oil | A-Ash | G-Gas | WML-Water | HCL-Hydrochloric | HNO3-Nitric | H2SO4-Sulfuric | NaOH-Sodium Hydroxide

L-Liquid

WML-Water

SW-Surface Water

GW-Groundwater

W-Water

Key:

WML-Water

SW-Surface Water

GW-Groundwater

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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 - Loustelet T5N-R64W-S15 L01 TB

Origins Laboratory

Sample Receipt Checklist

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

Origins Work Order: 4408279

Client: Eagle

Client Project ID: Loustelet

Checklist Completed by: 440

Shipped Via: 410
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/Time completed: 8/1/14

Airbill #: N/A

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

Soil/Solid

☒ Water

Other:

Cooler Number/Temperature: 18 °C

°C

°C

(Describe)

Thermometer ID: 1005

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 checked="" type="checkbox"/>		<u>SD</u>
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<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"/>	<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"/>	<input checked="" type="checkbox"/>		
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Are short holding time analytes or samples with HTs due within 48 hours received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<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"/>	<input checked="" 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 HNO ₃ , HCl, H ₂ SO ₄) (pH < 10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
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 be taken in the additional comments (above) and the case narrative.

Reviewed by (Project Manager)

8/14/14
Date/Time Reviewed

Origins Laboratory, Inc.

J. Bynon

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Jordan A. Bynon For Jen Pellegrini, Project Manager



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

Grace Congdon
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

MW-01

8/12/2024 11:05:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y408279-01 (Water)

Anions by IC 300.0

Chloride	106	31.2	mg/L	125	B4H1403	DLT	08/14/2024	08/15/2024	
Sulfate	307	31.2	"	"	"	DLT	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	834	5.00	"	1	B4H1405	EAL	08/14/2024	08/15/2024	
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Origins Laboratory, Inc.

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Jordan A. Bynon For Jen Pellegrini, Project Manager



Eagle Environmental Consulting, LLC
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Wheat Ridge CO 80033

Grace Congdon
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

MW-02

8/12/2024 11:20:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y408279-02 (Water)

Anions by IC 300.0

Chloride	105	31.2	mg/L	125	B4H1403	DLT	08/14/2024	08/15/2024	
Sulfate	306	31.2	"	"	"	DLT	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	920	5.00	"	1	B4H1405	EAL	08/14/2024	08/15/2024	
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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 - Loustelet T5N-R64W-S15 L01 TB

MW-03

8/12/2024 11:35:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y408279-03 (Water)

Anions by IC 300.0

Chloride	105	31.2	mg/L	125	B4H1403	DLT	08/14/2024	08/15/2024	
Sulfate	305	31.2	"	"	"	DLT	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	904	5.00	"	1	B4H1405	EAL	08/14/2024	08/15/2024	
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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 - Loustelet T5N-R64W-S15 L01 TB

MW-04

8/12/2024 11:50:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y408279-04 (Water)

Anions by IC 300.0

Chloride	99.5	31.2	mg/L	125	B4H1403	DLT	08/14/2024	08/15/2024	
Sulfate	281	31.2	"	"	"	DLT	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	834	5.00	"	1	B4H1405	EAL	08/14/2024	08/15/2024	
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Jordan A. Bynon For Jen Pellegrini, Project Manager



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

Grace Congdon
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

MW-05

8/12/2024 12:05:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y408279-05 (Water)

Anions by IC 300.0

Chloride	105	31.2	mg/L	125	B4H1403	DLT	08/14/2024	08/15/2024	
Sulfate	305	31.2	"	"	"	DLT	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	904	5.00	"	1	B4H1405	EAL	08/14/2024	08/15/2024	
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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Grace Congdon
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

MW-06

8/12/2024 12:20:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y408279-06 (Water)

Anions by IC 300.0

Chloride	110	31.2	mg/L	125	B4H1403	DLT	08/14/2024	08/15/2024	
Sulfate	325	31.2	"	"	"	DLT	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	956	5.00	"	1	B4H1405	EAL	08/14/2024	08/15/2024	
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Jordan A. Bynon For Jen Pellegrini, Project Manager

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

Grace Congdon
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

Classical Chemistry Parameters - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4H1403 - Filter .45um non acidified										
Blank (B4H1403-BLK1)					Prepared: 08/14/2024 Analyzed: 08/15/2024					
Chloride	ND	0.250	mg/L							
Sulfate	ND	0.250	"							
LCS (B4H1403-BS1)					Prepared: 08/14/2024 Analyzed: 08/15/2024					
Chloride	3.73	0.250	mg/L	4.00		93.3	90-110			
Sulfate	3.83	0.250	"	4.00		95.8	90-110			
Matrix Spike (B4H1403-MS1)					Source: Y408279-01		Prepared: 08/14/2024 Analyzed: 08/15/2024			
Chloride	594		mg/L	500	106	97.6	90-110			
Sulfate	808		"	500	307	100	90-110			
Matrix Spike Dup (B4H1403-MSD1)					Source: Y408279-01		Prepared: 08/14/2024 Analyzed: 08/15/2024			
Chloride	595		mg/L	500	106	97.8	90-110	0.137	5	
Sulfate	809		"	500	307	101	90-110	0.176	5	
Batch B4H1405 - NO PREP										
Blank (B4H1405-BLK1)					Prepared: 08/14/2024 Analyzed: 08/15/2024					
Total Dissolved Solids	ND	5.00	mg/L							
LCS (B4H1405-BS1)					Prepared: 08/14/2024 Analyzed: 08/15/2024					
Total Dissolved Solids	1020	5.00	mg/L	1020		99.6	90-110			
Duplicate (B4H1405-DUP1)					Source: Y408279-01		Prepared: 08/14/2024 Analyzed: 08/15/2024			
Total Dissolved Solids	910	5.00	mg/L		834			8.72	10	

Origins Laboratory, Inc.



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8000 W 44th Ave
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Grace Congdon
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

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 For Jen Pellegrini, Project Manager