



May 10, 2024

**Eagle Environmental Consulting, LLC**

**Andrew Newberry**

**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. May 02, 2024. This project is associated with Origins project number Y405084-01.

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

Andrew Newberry  
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	Y405084-01	Water	May 2, 2024 13:00	05/02/2024 15:15
MW-02	Y405084-02	Water	May 2, 2024 13:05	05/02/2024 15:15
MW-03	Y405084-03	Water	May 2, 2024 13:10	05/02/2024 15:15
MW-04	Y405084-04	Water	May 2, 2024 13:15	05/02/2024 15:15
MW-05	Y405084-05	Water	May 2, 2024 13:20	05/02/2024 15:15
MW-06	Y405084-06	Water	May 2, 2024 13:25	05/02/2024 15:15

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.

Jordan A. Bynon For Jen Pellegrini, Project Manager







# ORIGINS

LABORATORY, INC

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

Andrew Newberry  
Project Number: [none]  
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

Origins Laboratory

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

## Sample Receipt Checklist

Origins Work Order: V405084

Client: Eagle

Client Project ID: Loustelet T5N

Checklist Completed by: JA

Shipped Via: MO

Date/time completed: 5/2/24

Airbill #: N/A

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

Soil/Solid

Water

Other:

Cooler Number/Temperature: 104 °C

(Describe)

Thermometer ID: T008

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C <sup>(1)</sup> ?	<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 type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	<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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are samples preserved that require preservation and was it checked <sup>(1)</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 NaOH > NaOH, Zn > NaOH)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Additional Comments (if any):				

<sup>(1)</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 in the additional comments (above) and the case narrative.

Reviewed by: JA (Project Manager)

Date/Time Reviewed: 5/16/24

Origins Laboratory, Inc.

*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

Andrew Newberry  
Project Number: [none]  
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

MW-01

5/2/2024 1:00:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y405084-01 (Water)

Anions by IC 300.0

Chloride	140	31.2	mg/L	125	B4E0320	DLT	05/03/2024	05/03/2024	
Sulfate	402	31.2	"	"	"	DLT	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	894	5.00	"	1	B4E0222	KRM	05/03/2024	05/06/2024	
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Jordan A. Bynon For Jen Pellegrini, Project Manager





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MW-02

5/2/2024 1:05:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y405084-02 (Water)

Anions by IC 300.0

Chloride	144	31.2	mg/L	125	B4E0320	DLT	05/03/2024	05/03/2024	
Sulfate	445	31.2	"	"	"	DLT	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	948	5.00	"	1	B4E0222	KRM	05/03/2024	05/06/2024	
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Andrew Newberry  
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Project: Noble - Loustelet T5N-R64W-S15 L01 TB

MW-03

5/2/2024 1:10:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y405084-03 (Water)

Anions by IC 300.0

Chloride	129	31.2	mg/L	125	B4E0320	DLT	05/03/2024	05/03/2024	
Sulfate	372	31.2	"	"	"	DLT	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	844	5.00	"	1	B4E0222	KRM	05/03/2024	05/06/2024	
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Andrew Newberry  
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MW-04

5/2/2024 1:15:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y405084-04 (Water)

Anions by IC 300.0

Chloride	131	31.2	mg/L	125	B4E0320	DLT	05/03/2024	05/03/2024	
Sulfate	384	31.2	"	"	"	DLT	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	868	5.00	"	1	B4E0222	KRM	05/03/2024	05/06/2024	
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Andrew Newberry  
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MW-05

5/2/2024 1:20:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y405084-05 (Water)

Anions by IC 300.0

Chloride	130	31.2	mg/L	125	B4E0320	DLT	05/03/2024	05/03/2024	
Sulfate	378	31.2	"	"	"	DLT	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	900	5.00	"	1	B4E0322	VK	05/03/2024	05/06/2024	
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MW-06

5/2/2024 1:25:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y405084-06 (Water)

Anions by IC 300.0

Chloride	134	31.2	mg/L	125	B4E0320	DLT	05/03/2024	05/03/2024	
Sulfate	379	31.2	"	"	"	DLT	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	876	5.00	"	1	B4E0322	VK	05/03/2024	05/06/2024	
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## Classical Chemistry Parameters - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B4E0222 - NO PREP</b>										
<b>Blank (B4E0222-BLK1)</b>					Prepared: 05/03/2024 Analyzed: 05/06/2024					
Total Dissolved Solids	ND	5.00	mg/L							
<b>LCS (B4E0222-BS1)</b>					Prepared: 05/03/2024 Analyzed: 05/06/2024					
Total Dissolved Solids	1030	5.00	mg/L	1070		96.1	90-110			
<b>Duplicate (B4E0222-DUP1)</b>					Prepared: 05/03/2024 Analyzed: 05/06/2024					
Total Dissolved Solids	2580	5.00	mg/L		2630			2.15	10	
<b>Batch B4E0320 - Filter .45um non acidified</b>										
<b>Blank (B4E0320-BLK1)</b>					Prepared: 05/03/2024 Analyzed: 05/03/2024					
Chloride	ND	0.250	mg/L							
Sulfate	ND	0.250	"							
<b>LCS (B4E0320-BS1)</b>					Prepared: 05/03/2024 Analyzed: 05/03/2024					
Chloride	3.85	0.250	mg/L	4.00		96.2	90-110			
Sulfate	3.88	0.250	"	4.00		96.9	90-110			
<b>Matrix Spike (B4E0320-MS1)</b>					Prepared: 05/03/2024 Analyzed: 05/03/2024					
Chloride	644		mg/L	500	140	101	90-110			
Sulfate	903		"	500	402	100	90-110			
<b>Matrix Spike Dup (B4E0320-MSD1)</b>					Prepared: 05/03/2024 Analyzed: 05/03/2024					
Chloride	623		mg/L	500	140	96.7	90-110	3.23	5	
Sulfate	879		"	500	402	95.4	90-110	2.71	5	

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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 B4E0322 - NO PREP										
Blank (B4E0322-BLK1)					Prepared: 05/03/2024 Analyzed: 05/06/2024					
Total Dissolved Solids	ND	5.00	mg/L							
LCS (B4E0322-BS1)					Prepared: 05/03/2024 Analyzed: 05/06/2024					
Total Dissolved Solids	1050	5.00	mg/L	1070		97.9	90-110			
Duplicate (B4E0322-DUP1)					Prepared: 05/03/2024 Analyzed: 05/06/2024					
Total Dissolved Solids	904	5.00	mg/L		900			0.443	10	

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### 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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