



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 Y405083-01.

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	Y405083-01	Water	May 2, 2024 13:00	05/02/2024 15:15
MW-02	Y405083-02	Water	May 2, 2024 13:05	05/02/2024 15:15
MW-03	Y405083-03	Water	May 2, 2024 13:10	05/02/2024 15:15
MW-04	Y405083-04	Water	May 2, 2024 13:15	05/02/2024 15:15
MW-05	Y405083-05	Water	May 2, 2024 13:20	05/02/2024 15:15
MW-06	Y405083-06	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.

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

Origins Work Order: Y405083 **Sample Receipt Checklist**

Client: Eagle
 Client Project ID: Loustelet TSN

Checklist Completed by: SA Shipped Via: HQ
 Date/time completed: 5/2/24 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Airbill #: N/A

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

Cooler Number/Temperature: 1, 4 °C _____ °C _____ °C (Describe)

Thermometer ID: T005

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 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 ⁽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 type="checkbox"/>	<input checked="" 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, (pH <2 <= 0.4) / (pH >10 for samples preserved with NaAsO2-NaOH, ZnAc-NaOH)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NC
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: JB (Project Manager)

Date/Time Reviewed: 5/16/24

Origins Laboratory, Inc.

Bynon

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

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
---------	--------	-------	-------	----------	-------	---------	----------	----------	-------

Origins Laboratory, Inc.
Y405083-01 (Water)

PAH by EPA 8270E

Benzo (a) anthracene	ND	0.500	ug/L	1	B4E0740	Windo	05/07/2024	05/09/2024	U
Surrogate: Fluorene-d10	97.1 %	60-130			"	"	"	"	"
Surrogate: Anthracene-d10	101 %	60-130			"	"	"	"	"
Surrogate: Benzo (a) pyrene-d12	96.9 %	60-130			"	"	"	"	"
Surrogate: Pyrene-d10	94.5 %	60-130			"	"	"	"	"

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

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

MW-02

5/2/2024 1:05:00PM

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-------	-------	----------	-------	---------	----------	----------	-------

Origins Laboratory, Inc.
Y405083-02 (Water)

PAH by EPA 8270E

Benzo (a) anthracene	ND	0.500	ug/L	1	B4E0740	Windo	05/07/2024	05/09/2024	U
Surrogate: Fluorene-d10	99.2 %	60-130			"	"	"	"	"
Surrogate: Anthracene-d10	95.5 %	60-130			"	"	"	"	"
Surrogate: Benzo (a) pyrene-d12	96.3 %	60-130			"	"	"	"	"
Surrogate: Pyrene-d10	87.4 %	60-130			"	"	"	"	"

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

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

MW-03

5/2/2024 1:10:00PM

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-------	-------	----------	-------	---------	----------	----------	-------

Origins Laboratory, Inc.
Y405083-03 (Water)

PAH by EPA 8270E

Benzo (a) anthracene	ND	0.500	ug/L	1	B4E0740	Windo	05/07/2024	05/09/2024	U
Surrogate: Fluorene-d10	101 %	60-130			"	"	"	"	"
Surrogate: Anthracene-d10	94.2 %	60-130			"	"	"	"	"
Surrogate: Benzo (a) pyrene-d12	96.1 %	60-130			"	"	"	"	"
Surrogate: Pyrene-d10	86.2 %	60-130			"	"	"	"	"

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

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

MW-04

5/2/2024 1:15:00PM

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-------	-------	----------	-------	---------	----------	----------	-------

Origins Laboratory, Inc.
Y405083-04 (Water)

PAH by EPA 8270E

Benzo (a) anthracene	ND	0.500	ug/L	1	B4E0740	Windo	05/07/2024	05/09/2024	U
Surrogate: Fluorene-d10	100 %		60-130		"	"	"	"	"
Surrogate: Anthracene-d10	93.1 %		60-130		"	"	"	"	"
Surrogate: Benzo (a) pyrene-d12	94.7 %		60-130		"	"	"	"	"
Surrogate: Pyrene-d10	88.3 %		60-130		"	"	"	"	"

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

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

MW-05

5/2/2024 1:20:00PM

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-------	-------	----------	-------	---------	----------	----------	-------

Origins Laboratory, Inc.
Y405083-05 (Water)

PAH by EPA 8270E

Benzo (a) anthracene	ND	0.500	ug/L	1	B4E0740	Windo	05/07/2024	05/09/2024	U
Surrogate: Fluorene-d10	101 %	60-130			"	"	"	"	"
Surrogate: Anthracene-d10	93.0 %	60-130			"	"	"	"	"
Surrogate: Benzo (a) pyrene-d12	97.5 %	60-130			"	"	"	"	"
Surrogate: Pyrene-d10	88.9 %	60-130			"	"	"	"	"

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

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

MW-06

5/2/2024 1:25:00PM

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-------	-------	----------	-------	---------	----------	----------	-------

Origins Laboratory, Inc.
Y405083-06 (Water)

PAH by EPA 8270E

Benzo (a) anthracene	ND	0.500	ug/L	1	B4E0740	Windo	05/07/2024	05/09/2024	U
Surrogate: Fluorene-d10	101%		60-130		"	"	"	"	"
Surrogate: Anthracene-d10	93.7%		60-130		"	"	"	"	"
Surrogate: Benzo (a) pyrene-d12	96.0%		60-130		"	"	"	"	"
Surrogate: Pyrene-d10	90.7%		60-130		"	"	"	"	"

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

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

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B4E0740 - EPA 3510C_MS

Blank (B4E0740-BLK1)

Prepared: 05/07/2024 Analyzed: 05/09/2024

1-Methylnaphthalene	ND	0.200	ug/L							U
2-Methylnaphthalene	ND	0.200	"							U
Acenaphthene	ND	2.00	"							U
Anthracene	ND	2.00	"							U
Benzo (a) anthracene	ND	0.500	"							U
Benzo (a) pyrene	ND	2.00	"							U
Benzo (b) fluoranthene	ND	2.00	"							U
Benzo (g,h,i) perylene	ND	2.00	"							U
Benzo (k) fluoranthene	ND	2.00	"							U
Chrysene	ND	2.00	"							U
Dibenz (a,h) anthracene	ND	2.00	"							U
Fluoranthene	ND	2.00	"							U
Fluorene	ND	2.00	"							U
Indeno (1,2,3-cd) pyrene	ND	2.00	"							U
Naphthalene	ND	0.200	"							U
Phenanthrene	ND	2.00	"							U
Pyrene	ND	2.00	"							U
Surrogate: Fluorene-d10	200		"	200		102	60-130			
Surrogate: Anthracene-d10	190		"	200		94.6	60-130			
Surrogate: Benzo (a) pyrene-d12	190		"	200		96.7	60-130			
Surrogate: Pyrene-d10	190		"	200		95.0	60-130			

LCS (B4E0740-BS1)

Prepared: 05/07/2024 Analyzed: 05/09/2024

1-Methylnaphthalene	18.3	0.200	ug/L	20.0		91.5	70-130			
2-Methylnaphthalene	18.1	0.200	"	20.0		90.7	70-130			
Acenaphthene	19.1	2.00	"	20.0		95.6	70-130			
Anthracene	18.4	2.00	"	20.0		91.8	70-130			

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

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

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B4E0740 - EPA 3510C_MS

LCS (B4E0740-BS1)

Prepared: 05/07/2024 Analyzed: 05/09/2024

Benzo (a) anthracene	18.4	0.500	ug/L	20.0	91.8	70-130			
Benzo (a) pyrene	18.5	2.00	"	20.0	92.5	70-130			
Benzo (b) fluoranthene	19.2	2.00	"	20.0	96.0	70-130			
Benzo (g,h,i) perylene	19.2	2.00	"	20.0	96.0	70-130			
Benzo (k) fluoranthene	18.2	2.00	"	20.0	90.9	70-130			
Chrysene	17.9	2.00	"	20.0	89.4	70-130			
Dibenz (a,h) anthracene	20.8	2.00	"	20.0	104	70-130			
Fluoranthene	18.2	2.00	"	20.0	91.1	70-130			
Fluorene	19.3	2.00	"	20.0	96.4	70-130			
Indeno (1,2,3-cd) pyrene	18.3	2.00	"	20.0	91.3	70-130			
Naphthalene	19.1	0.200	"	20.0	95.7	70-130			
Phenanthrene	18.1	2.00	"	20.0	90.5	70-130			
Pyrene	17.8	2.00	"	20.0	89.0	70-130			
Surrogate: Fluorene-d10	200	"	"	200	102	60-130			
Surrogate: Anthracene-d10	190	"	"	200	94.3	60-130			
Surrogate: Benzo (a) pyrene-d12	200	"	"	200	102	60-130			
Surrogate: Pyrene-d10	190	"	"	200	92.6	60-130			

LCS Dup (B4E0740-BSD1)

Prepared: 05/07/2024 Analyzed: 05/09/2024

1-Methylnaphthalene	17.9	0.200	ug/L	20.0	89.7	70-130	1.91	20	
2-Methylnaphthalene	17.9	0.200	"	20.0	89.4	70-130	1.43	20	
Acenaphthene	19.2	2.00	"	20.0	95.9	70-130	0.265	20	
Anthracene	18.5	2.00	"	20.0	92.7	70-130	1.01	20	
Benzo (a) anthracene	18.2	0.500	"	20.0	91.2	70-130	0.728	20	
Benzo (a) pyrene	18.8	2.00	"	20.0	94.2	70-130	1.76	20	
Benzo (b) fluoranthene	19.4	2.00	"	20.0	97.1	70-130	1.19	20	
Benzo (g,h,i) perylene	19.9	2.00	"	20.0	99.6	70-130	3.68	20	

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

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

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B4E0740 - EPA 3510C_MS

LCS Dup (B4E0740-BSD1)

Prepared: 05/07/2024 Analyzed: 05/09/2024

Benzo (k) fluoranthene	19.0	2.00	ug/L	20.0	95.0	70-130	4.41	20		
Chrysene	17.8	2.00	"	20.0	89.1	70-130	0.288	20		
Dibenz (a,h) anthracene	21.5	2.00	"	20.0	108	70-130	3.17	20		
Fluoranthene	18.9	2.00	"	20.0	94.5	70-130	3.60	20		
Fluorene	19.3	2.00	"	20.0	96.6	70-130	0.251	20		
Indeno (1,2,3-cd) pyrene	19.3	2.00	"	20.0	96.7	70-130	5.79	20		
Naphthalene	18.9	0.200	"	20.0	94.5	70-130	1.23	20		
Phenanthrene	18.3	2.00	"	20.0	91.5	70-130	1.06	20		
Pyrene	16.4	2.00	"	20.0	82.0	70-130	8.14	20		
Surrogate: Fluorene-d10	200		"	200	101	60-130				
Surrogate: Anthracene-d10	190		"	200	95.0	60-130				
Surrogate: Benzo (a) pyrene-d12	200		"	200	97.9	60-130				
Surrogate: Pyrene-d10	170		"	200	85.5	60-130				

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



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

Notes and Definitions

- U Sample is Non-Detect.
 - ND Analyte NOT DETECTED at or above the reporting limit
 - RPD Relative Percent Difference
- All soil results are reported at a wet weight basis.

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.