



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 Y408280-01.

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	Y408280-01	Water	August 12, 2024 11:05	08/12/2024 14:30
MW-02	Y408280-02	Water	August 12, 2024 11:20	08/12/2024 14:30
MW-03	Y408280-03	Water	August 12, 2024 11:35	08/12/2024 14:30
MW-04	Y408280-04	Water	August 12, 2024 11:50	08/12/2024 14:30
MW-05	Y408280-05	Water	August 12, 2024 12:05	08/12/2024 14:30
MW-06	Y408280-06	Water	August 12, 2024 12:20	08/12/2024 14:30

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.

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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 80221 | #303.433.3322 | originslab.com | Temp Received: 8

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	MU-01	8/16/24	11:55	6	GL	HL	X
2	MU-02	8/16/24	11:55	1	HL	X	
3	MU-03	8/16/24	11:55	1	HL	X	
4	MU-04	8/16/24	11:55	1	HL	X	
5	MU-05	8/16/24	11:55	1	HL	X	
6	MU-06	8/16/24	11:55	1	HL	X	
7							
8							
9							
10							

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
<i>[Signature]</i>	8/16/24	11:55	<i>[Signature]</i>	8/16/24	11:55
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

For Lab Sample Receiving Only

ORIGINS

LABORATORY, INC

ORIGINS REPORT NUMBER

4908280

Page 1 of 1

Client: *[Signature]*

Project Manager: *[Signature]*

Key:

Address: *[Signature]*

Project Name: *[Signature]*

W = Water

Telephone Number: *[Signature]*

Project Number: *[Signature]*

GL = Groundwater

Email Address: *[Signature]*

Collected By: *[Signature]*

SW = Surface Water

Invoice/Billing Info: *[Signature]*

Bill to: *[Signature]*

WW = Wastewater

S-Soil | SO-Solid | O-Oil | A-Air | G-Gas | UH=Urethane | HC=Hydrochloric | HNO3=Nitric | H2SO4=Sulfuric | NaOH=Sodium Hydroxide

L-Liquid

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Origins Laboratory, Inc.

[Signature]

Jordan A. Bynon For Jen Pellegrini, Project Manager

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: N408280

Client: Eagle

Client Project ID: Loustelet

Checklist Completed by: 210

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

Date/Time Completed: 8/13/12 4

Arrival #: N/A

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

Cooler Number/Temperature: 1 8 °C 1 °C 1 °C (Describe) °C

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 (12°F)?				
Is there ice present (document if blue ice is used)?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<u>SD</u>
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 8 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 (> 1/2 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 subsampled analytes 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, ZnAs+NaOH)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<u>NC</u>
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 in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) AS

Date/Time Reviewed 8/14/12 4

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

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.
Y408280-01 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	2.12	2.00	ug/L	1	B4H1323	JSM	08/13/2024	08/13/2024	
1,3,5-Trimethylbenzene	ND	2.00	"	"	"	JSM	"	"	U
Benzene	1.30	1.00	"	"	"	JSM	"	"	
Ethylbenzene	ND	1.00	"	"	"	JSM	"	"	U
Naphthalene	ND	2.00	"	"	"	JSM	"	"	U
Toluene	ND	1.00	"	"	"	JSM	"	"	U
Xylenes, total	13.2	1.00	"	"	"	JSM	"	"	

Surrogate: 1,2-Dichloroethane-d4	99.4 %	70-130	"	"	"	"	"	"	
Surrogate: Toluene-d8	101 %	70-130	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	92.4 %	70-130	"	"	"	"	"	"	

PAH by EPA 8270E

Benzo (a) anthracene	ND	0.500	ug/L	1	B4H1326	agile	08/13/2024	08/15/2024	U
Surrogate: Fluorene-d10	104 %	60-130	"	"	"	"	"	"	
Surrogate: Anthracene-d10	84.1 %	60-130	"	"	"	"	"	"	
Surrogate: Benzo (a) pyrene-d12	107 %	60-130	"	"	"	"	"	"	
Surrogate: Pyrene-d10	112 %	60-130	"	"	"	"	"	"	

Origins Laboratory, Inc.

J. Bynon

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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-02

8/12/2024 11:20:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y408280-02 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B4H1323	JSM	08/13/2024	08/13/2024	U
1,3,5-Trimethylbenzene	ND	2.00	"	"	"	JSM	"	"	U
Benzene	ND	1.00	"	"	"	JSM	"	"	U
Ethylbenzene	ND	1.00	"	"	"	JSM	"	"	U
Naphthalene	ND	2.00	"	"	"	JSM	"	"	U
Toluene	ND	1.00	"	"	"	JSM	"	"	U
Xylenes, total	ND	1.00	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4	98.0 %	70-130	"	"	"	"	"	"	"
Surrogate: Toluene-d8	101 %	70-130	"	"	"	"	"	"	"
Surrogate: 4-Bromofluorobenzene	96.5 %	70-130	"	"	"	"	"	"	"

PAH by EPA 8270E

Benzo (a) anthracene	ND	0.500	ug/L	1	B4H1326	agile	08/13/2024	08/15/2024	U
Surrogate: Fluorene-d10	107 %	60-130	"	"	"	"	"	"	"
Surrogate: Anthracene-d10	83.5 %	60-130	"	"	"	"	"	"	"
Surrogate: Benzo (a) pyrene-d12	101 %	60-130	"	"	"	"	"	"	"
Surrogate: Pyrene-d10	112 %	60-130	"	"	"	"	"	"	"

Origins Laboratory, Inc.

J. Bynon

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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.
Y408280-03 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B4H1323	JSM	08/13/2024	08/13/2024	U
1,3,5-Trimethylbenzene	ND	2.00	"	"	"	JSM	"	"	U
Benzene	ND	1.00	"	"	"	JSM	"	"	U
Ethylbenzene	ND	1.00	"	"	"	JSM	"	"	U
Naphthalene	ND	2.00	"	"	"	JSM	"	"	U
Toluene	ND	1.00	"	"	"	JSM	"	"	U
Xylenes, total	ND	1.00	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4	98.5 %	70-130	"	"	"	"	"	"	"
Surrogate: Toluene-d8	102 %	70-130	"	"	"	"	"	"	"
Surrogate: 4-Bromofluorobenzene	95.3 %	70-130	"	"	"	"	"	"	"

PAH by EPA 8270E

Benzo (a) anthracene	ND	0.500	ug/L	1	B4H1326	agile	08/13/2024	08/15/2024	U
Surrogate: Fluorene-d10	105 %	60-130	"	"	"	"	"	"	"
Surrogate: Anthracene-d10	86.0 %	60-130	"	"	"	"	"	"	"
Surrogate: Benzo (a) pyrene-d12	102 %	60-130	"	"	"	"	"	"	"
Surrogate: Pyrene-d10	109 %	60-130	"	"	"	"	"	"	"

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-04

8/12/2024 11:50:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y408280-04 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B4H1323	JSM	08/13/2024	08/13/2024	U
1,3,5-Trimethylbenzene	ND	2.00	"	"	"	JSM	"	"	U
Benzene	ND	1.00	"	"	"	JSM	"	"	U
Ethylbenzene	ND	1.00	"	"	"	JSM	"	"	U
Naphthalene	ND	2.00	"	"	"	JSM	"	"	U
Toluene	ND	1.00	"	"	"	JSM	"	"	U
Xylenes, total	ND	1.00	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4 97.9 % 70-130
Surrogate: Toluene-d8 101 % 70-130
Surrogate: 4-Bromofluorobenzene 95.6 % 70-130

PAH by EPA 8270E

Benzo (a) anthracene	ND	0.500	ug/L	1	B4H1326	agile	08/13/2024	08/15/2024	U
Surrogate: Fluorene-d10	107 %	60-130	"	"	"	"	"	"	"
Surrogate: Anthracene-d10	78.1 %	60-130	"	"	"	"	"	"	"
Surrogate: Benzo (a) pyrene-d12	102 %	60-130	"	"	"	"	"	"	"
Surrogate: Pyrene-d10	112 %	60-130	"	"	"	"	"	"	"

Origins Laboratory, Inc.

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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.
Y408280-05 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B4H1323	JSM	08/13/2024	08/13/2024	U
1,3,5-Trimethylbenzene	ND	2.00	"	"	"	JSM	"	"	U
Benzene	ND	1.00	"	"	"	JSM	"	"	U
Ethylbenzene	ND	1.00	"	"	"	JSM	"	"	U
Naphthalene	ND	2.00	"	"	"	JSM	"	"	U
Toluene	ND	1.00	"	"	"	JSM	"	"	U
Xylenes, total	ND	1.00	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130	"	"	"
Surrogate: Toluene-d8	101 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	93.6 %	70-130	"	"	"

PAH by EPA 8270E

Benzo (a) anthracene	ND	0.500	ug/L	1	B4H1326	agile	08/13/2024	08/15/2024	U
Surrogate: Fluorene-d10	104 %	60-130			"	"		"	
Surrogate: Anthracene-d10	84.0 %	60-130			"	"		"	
Surrogate: Benzo (a) pyrene-d12	100 %	60-130			"	"		"	
Surrogate: Pyrene-d10	112 %	60-130			"	"		"	

Origins Laboratory, Inc.

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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-06

8/12/2024 12:20:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y408280-06 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B4H1323	JSM	08/13/2024	08/13/2024	U
1,3,5-Trimethylbenzene	ND	2.00	"	"	"	JSM	"	"	U
Benzene	ND	1.00	"	"	"	JSM	"	"	U
Ethylbenzene	ND	1.00	"	"	"	JSM	"	"	U
Naphthalene	ND	2.00	"	"	"	JSM	"	"	U
Toluene	ND	1.00	"	"	"	JSM	"	"	U
Xylenes, total	ND	1.00	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4	96.7 %	70-130	"	"	"	"	"	"	"
Surrogate: Toluene-d8	100 %	70-130	"	"	"	"	"	"	"
Surrogate: 4-Bromofluorobenzene	92.6 %	70-130	"	"	"	"	"	"	"

PAH by EPA 8270E

Benzo (a) anthracene	ND	0.500	ug/L	1	B4H1326	agile	08/13/2024	08/15/2024	U
Surrogate: Fluorene-d10	103 %	60-130	"	"	"	"	"	"	"
Surrogate: Anthracene-d10	81.8 %	60-130	"	"	"	"	"	"	"
Surrogate: Benzo (a) pyrene-d12	98.9 %	60-130	"	"	"	"	"	"	"
Surrogate: Pyrene-d10	113 %	60-130	"	"	"	"	"	"	"

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

Volatile Organic Compounds by GC/MS SW846 8260D - 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 B4H1323 - EPA 5030B (Water)

Blank (B4H1323-BLK1)

Prepared: 08/13/2024 Analyzed: 08/13/2024

1,2,4-Trimethylbenzene	ND	2.00	ug/L							U
1,3,5-Trimethylbenzene	ND	2.00	"							U
Benzene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Naphthalene	ND	2.00	"							U
Toluene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	62		"	62.5		99.1	70-130			
Surrogate: Toluene-d8	64		"	62.5		102	70-130			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		95.7	70-130			

Origins Laboratory, Inc.

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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

Volatile Organic Compounds by GC/MS SW846 8260D - 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 B4H1323 - EPA 5030B (Water)

LCS (B4H1323-BS1)

Prepared: 08/13/2024 Analyzed: 08/13/2024

1,2,4-Trimethylbenzene	45.6	2.00	ug/L	50.0	91.2	70-130
1,3,5-Trimethylbenzene	47.2	2.00	"	50.0	94.4	70-130
Benzene	43.6	1.00	"	50.0	87.3	70-130
Ethylbenzene	44.7	1.00	"	50.0	89.3	70-130
m,p-Xylene	88.0	2.00	"	100	88.0	70-130
Naphthalene	58.7	2.00	"	50.0	117	70-130
o-Xylene	43.1	1.00	"	50.0	86.3	70-130
Toluene	43.3	1.00	"	50.0	86.5	70-130
Surrogate: 1,2-Dichloroethane-d4	69	"	"	62.5	110	70-130
Surrogate: Toluene-d8	60	"	"	62.5	96.0	70-130
Surrogate: 4-Bromofluorobenzene	61	"	"	62.5	97.6	70-130

Origins Laboratory, Inc.

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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

Volatile Organic Compounds by GC/MS SW846 8260D - 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 B4H1323 - EPA 5030B (Water)

Matrix Spike (B4H1323-MS1)

Source: Y408276-01

Prepared: 08/13/2024 Analyzed: 08/13/2024

1,2,4-Trimethylbenzene	40.6	2.00	ug/L	50.0	ND	81.1	70-130			
1,3,5-Trimethylbenzene	41.2	2.00	"	50.0	ND	82.5	70-130			
Benzene	33.5	1.00	"	50.0	ND	67.0	70-130			QM-07
Ethylbenzene	37.7	1.00	"	50.0	ND	75.5	70-130			
m,p-Xylene	74.4	2.00	"	100	ND	74.4	70-130			
Naphthalene	47.4	2.00	"	50.0	0.710	93.3	70-130			
o-Xylene	36.9	1.00	"	50.0	ND	73.7	70-130			
Toluene	35.2	1.00	"	50.0	ND	70.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	64		"	62.5		102	70-130			
Surrogate: Toluene-d8	61		"	62.5		97.4	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.7	70-130			

Origins Laboratory, Inc.

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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

Volatile Organic Compounds by GC/MS SW846 8260D - 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 B4H1323 - EPA 5030B (Water)

Matrix Spike Dup (B4H1323-MSD1)

Source: Y408276-01

Prepared: 08/13/2024 Analyzed: 08/13/2024

1,2,4-Trimethylbenzene	58.3	2.00	ug/L	50.0	ND	117	70-130	35.9	20	QR-02
1,3,5-Trimethylbenzene	60.2	2.00	"	50.0	ND	120	70-130	37.3	20	QR-02
Benzene	56.3	1.00	"	50.0	ND	113	70-130	50.8	20	QR-02
Ethylbenzene	59.1	1.00	"	50.0	ND	118	70-130	44.1	20	QR-02
m,p-Xylene	116	2.00	"	100	ND	116	70-130	43.8	20	QR-02
Naphthalene	54.4	2.00	"	50.0	0.710	107	70-130	13.9	20	
o-Xylene	56.0	1.00	"	50.0	ND	112	70-130	41.3	20	QR-02
Toluene	55.6	1.00	"	50.0	ND	111	70-130	44.8	20	QR-02
Surrogate: 1,2-Dichloroethane-d4	62		"	62.5		99.7	70-130			
Surrogate: Toluene-d8	62		"	62.5		98.4	70-130			
Surrogate: 4-Bromofluorobenzene	65		"	62.5		104	70-130			

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Wheat Ridge CO 80033

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

Volatile Organic Compounds by GC/MS SW846 8260D - 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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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
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Batch B4H1326 - EPA 3510C_MS

Blank (B4H1326-BLK1)

Prepared: 08/13/2024 Analyzed: 08/15/2024

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		101	60-130			
Surrogate: Anthracene-d10	170	"		200		85.2	60-130			
Surrogate: Benzo (a) pyrene-d12	190	"		200		95.1	60-130			
Surrogate: Pyrene-d10	220	"		200		109	60-130			

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Jordan A. Bynon For Jen Pellegrini, Project Manager



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Wheat Ridge CO 80033

Grace Congdon
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
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Batch B4H1326 - EPA 3510C_MS

LCS (B4H1326-BS1)

Prepared: 08/13/2024 Analyzed: 08/15/2024

1-Methylnaphthalene	18.9	0.200	ug/L	20.0		94.7	70-130			
2-Methylnaphthalene	18.7	0.200	"	20.0		93.4	70-130			
Acenaphthene	20.8	2.00	"	20.0		104	70-130			
Anthracene	16.2	2.00	"	20.0		81.1	70-130			
Benzo (a) anthracene	17.5	0.500	"	20.0		87.7	70-130			
Benzo (a) pyrene	17.2	2.00	"	20.0		85.8	70-130			
Benzo (b) fluoranthene	23.5	2.00	"	20.0		117	70-130			
Benzo (g,h,i) perylene	19.1	2.00	"	20.0		95.5	70-130			
Benzo (k) fluoranthene	19.3	2.00	"	20.0		96.3	70-130			
Chrysene	18.5	2.00	"	20.0		92.7	70-130			
Dibenz (a,h) anthracene	21.6	2.00	"	20.0		108	70-130			
Fluoranthene	21.7	2.00	"	20.0		108	70-130			
Fluorene	20.2	2.00	"	20.0		101	70-130			
Indeno (1,2,3-cd) pyrene	23.7	2.00	"	20.0		119	70-130			
Naphthalene	20.1	0.200	"	20.0		100	70-130			
Phenanthrene	19.0	2.00	"	20.0		95.0	70-130			
Pyrene	20.9	2.00	"	20.0		105	70-130			
Surrogate: Fluorene-d10	210		"	200		106	60-130			
Surrogate: Anthracene-d10	170		"	200		86.4	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		99.8	60-130			
Surrogate: Pyrene-d10	220		"	200		109	60-130			

LCS Dup (B4H1326-BSD1)

Prepared: 08/13/2024 Analyzed: 08/15/2024

1-Methylnaphthalene	19.0	0.200	ug/L	20.0		95.1	70-130	0.374	20	
2-Methylnaphthalene	19.0	0.200	"	20.0		95.0	70-130	1.64	20	
Acenaphthene	20.0	2.00	"	20.0		100	70-130	3.97	20	
Anthracene	16.8	2.00	"	20.0		84.0	70-130	3.47	20	

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Jordan A. Bynon For Jen Pellegrini, Project Manager



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8000 W 44th Ave
Wheat Ridge CO 80033

Grace Congdon
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
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Batch B4H1326 - EPA 3510C_MS

LCS Dup (B4H1326-BSD1)

Prepared: 08/13/2024 Analyzed: 08/15/2024

Benzo (a) anthracene	17.7	0.500	ug/L	20.0	88.4	70-130	0.783	20	
Benzo (a) pyrene	16.9	2.00	"	20.0	84.3	70-130	1.71	20	
Benzo (b) fluoranthene	23.0	2.00	"	20.0	115	70-130	2.13	20	
Benzo (g,h,i) perylene	18.5	2.00	"	20.0	92.3	70-130	3.45	20	
Benzo (k) fluoranthene	19.5	2.00	"	20.0	97.4	70-130	1.12	20	
Chrysene	18.6	2.00	"	20.0	93.1	70-130	0.519	20	
Dibenz (a,h) anthracene	20.6	2.00	"	20.0	103	70-130	5.04	20	
Fluoranthene	21.7	2.00	"	20.0	108	70-130	0.0531	20	
Fluorene	19.5	2.00	"	20.0	97.3	70-130	3.60	20	
Indeno (1,2,3-cd) pyrene	18.8	2.00	"	20.0	93.8	70-130	23.4	20	QR-02
Naphthalene	20.3	0.200	"	20.0	101	70-130	1.00	20	
Phenanthrene	18.8	2.00	"	20.0	94.0	70-130	1.12	20	
Pyrene	21.1	2.00	"	20.0	106	70-130	0.947	20	
Surrogate: Fluorene-d10	210	"	"	200	103	60-130			
Surrogate: Anthracene-d10	170	"	"	200	86.1	60-130			
Surrogate: Benzo (a) pyrene-d12	200	"	"	200	100	60-130			
Surrogate: Pyrene-d10	220	"	"	200	110	60-130			

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

Notes and Definitions

- U Sample is Non-Detect.
- QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- 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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