



May 30, 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 Y405082-01.

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.

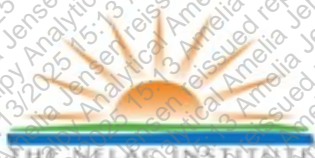
Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

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@2-4'	Y405082-01	Soil	May 1, 2024 10:56	05/02/2024 15:15
MW-02@2-4'	Y405082-02	Soil	May 1, 2024 13:45	05/02/2024 15:15
MW-03@2-4'	Y405082-03	Soil	May 1, 2024 11:27	05/02/2024 15:15
MW-04@2-4'	Y405082-04	Soil	May 1, 2024 11:46	05/02/2024 15:15
MW-05@2-4'	Y405082-05	Soil	May 1, 2024 12:05	05/02/2024 15:15
MW-06@2-4'	Y405082-06	Soil	May 1, 2024 12:37	05/02/2024 15:15
SB-01@3-4'	Y405082-07	Soil	May 1, 2024 14:25	05/02/2024 15:15
SB-02@3-4'	Y405082-08	Soil	May 2, 2024 11:10	05/02/2024 15:15
SB-03@3-4'	Y405082-09	Soil	May 2, 2024 11:30	05/02/2024 15:15
SB-04@3-4'	Y405082-10	Soil	May 2, 2024 14:12	05/02/2024 15:15
SB-05@3-4'	Y405082-11	Soil	May 1, 2024 14:20	05/02/2024 15:15
SB-01@4-5'	Y405082-12	Soil	May 1, 2024 14:25	05/02/2024 15:15
SB-02@4-5'	Y405082-13	Soil	May 2, 2024 11:10	05/02/2024 15:15
SB-03@4-5'	Y405082-14	Soil	May 2, 2024 11:30	05/02/2024 15:15

Origins Laboratory, Inc.



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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
SB-04@4-5'	Y405082-15	Soil	May 1, 2024 14:12	05/02/2024 15:15
SB-05@4-5'	Y405082-16	Soil	May 1, 2024 14:20	05/02/2024 15:15
Background-02@2.5-5'	Y405082-17	Soil	May 2, 2024 11:47	05/02/2024 15:15
Background-03@2.5-5'	Y405082-18	Soil	May 2, 2024 12:12	05/02/2024 15:15
Background-04@2.5-5'	Y405082-19	Soil	May 2, 2024 12:27	05/02/2024 15:15
Background-05@2.5-5'	Y405082-20	Soil	May 2, 2024 12:43	05/02/2024 15:15
Background-06@2.5-5'	Y405082-21	Soil	May 2, 2024 11:57	05/02/2024 15:15

Origins Laboratory, Inc.

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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

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LABORATORY, INC

4405002

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page 1 of 3

Client: Eagle Environmental Consulting

Address: 8000 W 44th Ave

Telephone Number: 303.433.4474

Email Address: jordan@eagleenviro.com

Project Manager: Andrew Newberry

Project Name: Loustelet T5N-R64W-S15 L01 TB (Rocky)

Project Number:

Samples Collected By: JMN (JMN)

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative	Matrix	Analysis	Sample Instructions
MW-01-02-4	5/1/24	15:16	3	X	K	X X X X X	pH's stored
MW-02-02-4	5/1/24	15:45	1			X X X X X	perle prof
MW-03-02-4	5/1/24	15:19	1			X X X X X	100g sealed
MW-04-02-4	5/1/24	15:00	1			X X X X X	
MW-05-02-4	5/1/24	15:03	1			X X X X X	
MW-06-02-4	5/1/24	15:17	1			X X X X X	
SB-01-03-4	5/1/24	14:55	1			X X X X X	
SB-02-03-4	5/1/24	14:10	1			X X X X X	
SB-03-03-4	5/1/24	14:50	1			X X X X X	
SB-04-03-4	5/1/24	14:12	1			X X X X X	
Relinquished By: [Signature]	Date: 5/1/24	Time: 15:15	Time: 15:15	Received By: [Signature]	Date: 5/1/24	Time: 15:15	Time: 15:15
Relinquished By: [Signature]	Date: 5/1/24	Time: 15:15	Time: 15:15	Received By: [Signature]	Date: 5/1/24	Time: 15:15	Time: 15:15

Temp Received:

Date Results Needed:

Origins Laboratory, Inc.

Byron

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Jordan A. Byron 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

www.originslaboratory.com page 1 of 3

Project Manager: Andrew Newberry
Project Name: LOUSTELET T5N-R64W-S15 L01 TB
Project Number: _____
Samples Collected By: AM

Client: Eagle Environmental Consulting
Address: 8000 W 44th Ave
Wheat Ridge CO 80033
Telephone Number: 303-435-1479
Email Address: andrew@eagleenviro.com

ORIGINS LABORATORY, INC

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative	Matrix	Analysis	Sample Instructions
SB-0524-4	5/2/24	1420	1	X	Soil	X	DL - Sealed
SB-0124-5	5/1/24	1405	1		Soil	X	Soil - pref
SB-0224-5	5/1/24	1410	1		Soil	X	DL - Sealed
SB-0324-5	5/1/24	1430	1		Soil	X	DL - Sealed
SB-0424-5	5/1/24	1410	1		Soil	X	DL - Sealed
SB-0524-5	5/1/24	1420	1		Soil	X	DL - Sealed
Background-0202-5	5/1/24	1447	2		Soil	X X	
Background-0302-5	5/1/24	1422	1		Soil	X	
Background-0402-5	5/1/24	1427	1		Soil	X	
Background-0502-5	5/1/24	1430	1		Soil	X	

Relinquished By: AM Date: 5/2/24 Time: 1515
Relinquished By: AM Date: 5/2/24 Time: 1515

Received By: AM Date: 5/2/24 Time: 1515
Received By: AM Date: 5/2/24 Time: 1515

Turnaround Time: ☐ 24 Hr ☐ 48 Hr ☒ Standard

Date Results Received: 5/2/24
Temp Received: 4

Origins Laboratory, Inc.

Byron

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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

www.originslaboratory.com page 3 of 3

ORIGINS
LABORATORY, INC

Client: Eagle Environmental Consulting
Project Manager: Andrew Newberry
Project Name: Loustelet T5N-R64W-S15 L01 TB (2014)
Project Number: [blank]
Samples Collected By: JMN/JM
Address: 8000 W 44th Ave
Wheat Ridge CO 80033
Telephone Number: 303.265.9644
Email Address: jordan@originslab.com

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative	Matrix	Analyst	Sample Instructions
1	5/2/21	11:57	7	X	Soil	X	pl. sample
2					Soil	X	pl. sample
3					Soil	X	pl. sample
4					Soil	X	pl. sample
5					Soil	X	pl. sample
6					Soil	X	pl. sample
7					Soil	X	pl. sample
8					Soil	X	pl. sample
9					Soil	X	pl. sample
10					Soil	X	pl. sample

Relinquished By: [Signature] Date: 5/2/21 Time: 15:15
Relinquished By: [Signature] Date: 5/2/21 Time: 15:15

Received By: [Signature] Date: 5/2/21 Time: 15:15
Received By: [Signature] Date: 5/2/21 Time: 15:15

Turnaround Time: 24 Hr ☐ 48 Hr ☐ 72 Hr ☒ Standard ☒

Date Results Needed: [Signature] Temp Received: [Signature]

Origins Laboratory, Inc.
Jordan A. Bynon

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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: 1405002

Client: Eagle
Client Project ID: LOUSTELET T5N

Checklist Completed by: JA

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

Date/time completed: 5/2/24

Airbill #: N/A

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

Cooler Number/Temperature: 1, 4 °C ☐ °C ☐ °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 ⁽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 type="checkbox"/>	<input checked="" 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, HCL, H2SO4) / (pH > 10 for samples preserved with NaAsO2+NaOH, ZnAc+NaOH)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input 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): JA

Date/Time Reviewed: 5/16/24

Origins Laboratory, Inc.

Byron

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Jordan A. Byron 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@2-4'
5/1/2024 10:56:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-01 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	3730	25.0	mg/kg	1	B4E0701	05/07/2024	05/09/2024
Residual Range Organics (C28-C40)	829	100	"	"	"	"	"

Surrogate: o-Terphenyl 165 % 50-150 " " " S-04

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	8.33	0.0500	mg/kg	25	B4E0628	05/06/2024	05/07/2024
1,3,5-Trimethylbenzene	3.12	0.0500	"	"	"	"	"
Benzene	0.00466	0.00200	"	1	"	"	05/09/2024
Ethylbenzene	0.887	0.0500	"	25	"	"	05/07/2024
Naphthalene	0.0257	0.00380	"	1	"	"	05/09/2024
Toluene	0.0235	0.00200	"	"	"	"	"
Xylenes, total	14.1	0.0500	"	25	"	"	05/07/2024
Gasoline Range Hydrocarbons	1900	50.0	"	250	"	"	05/10/2024

Surrogate: 1,2-Dichloroethane-d4 91.2 % 70-130 " " 05/07/2024
Surrogate: Toluene-d8 118 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 98.1 % 70-130 " " "

PAH by EPA 8270E

Origins Laboratory, Inc.

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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@2-4'
5/1/2024 10:56:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-01 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	1.31	0.020	mg/kg	10	B4E0630	05/06/2024	05/07/2024	
2-Methylnaphthalene	1.63	0.020	"	"	"	"	"	"
Acenaphthene	0.506	0.020	"	1	"	"	05/07/2024	"
Anthracene	0.057	0.020	"	"	"	"	"	"
Benzo (a) anthracene	ND	0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND	0.020	"	"	"	"	"	Ua
Benzo (b) fluoranthene	ND	0.020	"	"	"	"	"	Ua
Benzo (k) fluoranthene	ND	0.020	"	"	"	"	"	Ua
Chrysene	0.047	0.020	"	"	"	"	"	"
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	Ua
Fluoranthene	ND	0.020	"	"	"	"	"	Ua
Fluorene	0.683	0.020	"	"	"	"	"	"
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	Ua
Pyrene	0.042	0.020	"	"	"	"	"	"

Surrogate: Fluorene-d10	98.9 %	60-130	"	"	"	"	"
Surrogate: Anthracene-d10	94.0 %	60-130	"	"	"	"	"
Surrogate: Pyrene-d10	82.5 %	60-130	"	"	"	"	"
Surrogate: Benzo (a) pyrene-d12	105 %	60-130	"	"	"	"	"

pH in Soil by 9045D

Origins Laboratory, Inc.

J. Bynon

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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@2-4'
5/1/2024 10:56:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-01 (Soil)

pH in Soil by 9045D

pH	7.22	pH Units	1	B4E1421	05/14/2024	05/14/2024
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Table 915 metals by EPA 6020B

Arsenic	1.04	0.258	mg/kg	10	B4E0327	05/03/2024	05/06/2024
Barium	21.4	8.90	"	"	"	"	"
Cadmium	ND	0.0890	"	"	"	"	"
Copper	ND	8.90	"	"	"	"	"
Lead	2.22	0.890	"	"	"	"	"
Nickel	2.09	0.890	"	"	"	"	"
Selenium	ND	0.231	"	"	"	"	"
Silver	ND	0.0890	"	"	"	"	05/07/2024
Zinc	ND	32.9	"	"	"	"	05/06/2024

Total Metals by 7196A

Hexavalent Chromium	ND	0.127	0.317	mg/kg dry	1	2617731	05/28/2024	05/29/2024	U
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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@2-4'
5/1/2024 1:45:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-02 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4E0701	05/07/2024	05/09/2024	Ua
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	93.7 %	50-150	"	"	"	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4E0628	05/06/2024	05/07/2024	Ua
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	Ua
Benzene	ND	0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND	0.00200	"	"	"	"	"	Ua
Naphthalene	ND	0.00380	"	"	"	"	"	Ua
Toluene	ND	0.00200	"	"	"	"	"	Ua
Xylenes, total	ND	0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4	98.7 %	70-130	"	"	"	"	"	"
Surrogate: Toluene-d8	96.8 %	70-130	"	"	"	"	"	"
Surrogate: 4-Bromofluorobenzene	107 %	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

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

MW-02@2-4'
5/1/2024 1:45:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-02 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4E0630	05/06/2024	05/07/2024	Ua
2-Methylnaphthalene	ND	0.002	"	"	"	"	"	Ua
Acenaphthene	ND	0.020	"	"	"	"	"	Ua
Anthracene	ND	0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	ND	0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND	0.020	"	"	"	"	"	Ua
Benzo (b) fluoranthene	ND	0.020	"	"	"	"	"	Ua
Benzo (k) fluoranthene	ND	0.020	"	"	"	"	"	Ua
Chrysene	ND	0.020	"	"	"	"	"	Ua
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	Ua
Fluoranthene	ND	0.020	"	"	"	"	"	Ua
Fluorene	ND	0.020	"	"	"	"	"	Ua
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	Ua
Pyrene	ND	0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	106 %	60-130	"	"	"	"	"
Surrogate: Anthracene-d10	93.5 %	60-130	"	"	"	"	"
Surrogate: Pyrene-d10	91.6 %	60-130	"	"	"	"	"
Surrogate: Benzo (a) pyrene-d12	100 %	60-130	"	"	"	"	"

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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@2-4'
5/1/2024 1:45:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-02 (Soil)

pH in Soil by 9045D

pH	7.88	pH Units	1	B4E1421	05/14/2024	05/14/2024
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Table 915 metals by EPA 6020B

Arsenic	4.35	0.270	mg/kg	10	B4E0327	05/03/2024	05/06/2024
Barium	146	9.32	"	"	"	"	"
Cadmium	0.151	0.0932	"	"	"	"	"
Copper	13.6	9.32	"	"	"	"	"
Lead	10.1	0.932	"	"	"	"	"
Nickel	12.5	0.932	"	"	"	"	"
Selenium	ND	0.242	"	"	"	"	"
Silver	ND	0.0932	"	"	"	"	05/07/2024
Zinc	52.7	34.5	"	"	"	"	05/06/2024

Total Metals by 7196A

Hexavalent Chromium	ND	0.185	0.461	mg/kg dry	1	2617731	05/28/2024	05/29/2024	U
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Origins Laboratory, Inc.

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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@2-4'
5/1/2024 11:27:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-03 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4E0701	05/07/2024	05/09/2024	Ua
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	88.1 %	50-150	"	"	"	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4E0628	05/06/2024	05/07/2024	Ua
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	Ua
Benzene	ND	0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND	0.00200	"	"	"	"	"	Ua
Naphthalene	ND	0.00380	"	"	"	"	"	Ua
Toluene	ND	0.00200	"	"	"	"	"	Ua
Xylenes, total	ND	0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4	97.7 %	70-130	"	"	"	"	"	"
Surrogate: Toluene-d8	97.4 %	70-130	"	"	"	"	"	"
Surrogate: 4-Bromofluorobenzene	107 %	70-130	"	"	"	"	"	"

Origins Laboratory, Inc.

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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@2-4'
5/1/2024 11:27:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-03 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4E0630	05/06/2024	05/07/2024	Ua
2-Methylnaphthalene	ND	0.002	"	"	"	"	"	Ua
Acenaphthene	ND	0.020	"	"	"	"	"	Ua
Anthracene	ND	0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	ND	0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND	0.020	"	"	"	"	"	Ua
Benzo (b) fluoranthene	ND	0.020	"	"	"	"	"	Ua
Benzo (k) fluoranthene	ND	0.020	"	"	"	"	"	Ua
Chrysene	ND	0.020	"	"	"	"	"	Ua
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	Ua
Fluoranthene	ND	0.020	"	"	"	"	"	Ua
Fluorene	ND	0.020	"	"	"	"	"	Ua
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	Ua
Pyrene	ND	0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	105 %	60-130	"	"	"	"	"
Surrogate: Anthracene-d10	91.1 %	60-130	"	"	"	"	"
Surrogate: Pyrene-d10	96.2 %	60-130	"	"	"	"	"
Surrogate: Benzo (a) pyrene-d12	102 %	60-130	"	"	"	"	"

Origins Laboratory, Inc.

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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@2-4'
5/1/2024 11:27:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-03 (Soil)

pH in Soil by 9045D

pH	7.89	pH Units	1	B4E1421	05/14/2024	05/14/2024
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Table 915 metals by EPA 6020B

Arsenic	3.30	0.251	mg/kg	10	B4E0327	05/03/2024	05/06/2024
Barium	380	8.66	"	"	"	"	"
Cadmium	ND	0.0866	"	"	"	"	"
Copper	16.1	8.66	"	"	"	"	"
Lead	12.3	0.866	"	"	"	"	"
Nickel	16.1	0.866	"	"	"	"	"
Selenium	0.312	0.225	"	"	"	"	"
Silver	ND	0.0866	"	"	"	"	05/07/2024
Zinc	66.1	32.0	"	"	"	"	05/06/2024

Total Metals by 7196A

Hexavalent Chromium	ND	0.177	0.443	mg/kg dry	1	2617731	05/28/2024	05/29/2024	U
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Origins Laboratory, Inc.

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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@2-4'
5/1/2024 11:46:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-04 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4E0701	05/07/2024	05/09/2024	Ua
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	89.1 %	50-150	"	"	"	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4E0628	05/06/2024	05/07/2024	Ua
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	Ua
Benzene	ND	0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND	0.00200	"	"	"	"	"	Ua
Naphthalene	ND	0.00380	"	"	"	"	"	Ua
Toluene	ND	0.00200	"	"	"	"	"	Ua
Xylenes, total	ND	0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4	97.9 %	70-130	"	"	"	"	"	"
Surrogate: Toluene-d8	97.5 %	70-130	"	"	"	"	"	"
Surrogate: 4-Bromofluorobenzene	106 %	70-130	"	"	"	"	"	"

Origins Laboratory, Inc.

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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@2-4'
5/1/2024 11:46:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-04 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4E0630	05/06/2024	05/07/2024	Ua
2-Methylnaphthalene	ND	0.002	"	"	"	"	"	Ua
Acenaphthene	ND	0.020	"	"	"	"	"	Ua
Anthracene	ND	0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	ND	0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND	0.020	"	"	"	"	"	Ua
Benzo (b) fluoranthene	ND	0.020	"	"	"	"	"	Ua
Benzo (k) fluoranthene	ND	0.020	"	"	"	"	"	Ua
Chrysene	ND	0.020	"	"	"	"	"	Ua
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	Ua
Fluoranthene	ND	0.020	"	"	"	"	"	Ua
Fluorene	ND	0.020	"	"	"	"	"	Ua
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	Ua
Pyrene	ND	0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	105 %	60-130	"	"	"	"	"
Surrogate: Anthracene-d10	93.3 %	60-130	"	"	"	"	"
Surrogate: Pyrene-d10	97.3 %	60-130	"	"	"	"	"
Surrogate: Benzo (a) pyrene-d12	103 %	60-130	"	"	"	"	"

Origins Laboratory, Inc.

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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@2-4'
5/1/2024 11:46:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-04 (Soil)

pH in Soil by 9045D

pH	8.00	pH Units	1	B4E1421	05/14/2024	05/14/2024
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Table 915 metals by EPA 6020B

Arsenic	2.04	0.248	mg/kg	10	B4E0327	05/03/2024	05/06/2024
Barium	107	8.54	"	"	"	"	"
Cadmium	0.0922	0.0854	"	"	"	"	"
Copper	ND	8.54	"	"	"	"	"
Lead	7.11	0.854	"	"	"	"	"
Nickel	8.74	0.854	"	"	"	"	"
Selenium	ND	0.222	"	"	"	"	"
Silver	ND	0.0854	"	"	"	"	05/07/2024
Zinc	42.7	31.6	"	"	"	"	05/06/2024

Total Metals by 7196A

Hexavalent Chromium	ND	0.135	0.336	mg/kg dry	1	2617731	05/28/2024	05/29/2024	U
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Origins Laboratory, Inc.

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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@2-4'
5/1/2024 12:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-05 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4E0701	05/07/2024	05/09/2024	Ua
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	96.8 %	50-150	"	"	"	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4E0628	05/06/2024	05/07/2024	Ua
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	Ua
Benzene	ND	0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND	0.00200	"	"	"	"	"	Ua
Naphthalene	ND	0.00380	"	"	"	"	"	Ua
Toluene	ND	0.00200	"	"	"	"	"	Ua
Xylenes, total	ND	0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4	103 %	70-130	"	"	"	"	"	"
Surrogate: Toluene-d8	96.3 %	70-130	"	"	"	"	"	"
Surrogate: 4-Bromofluorobenzene	106 %	70-130	"	"	"	"	"	"

Origins Laboratory, Inc.

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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@2-4'
5/1/2024 12:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-05 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4E0630	05/06/2024	05/07/2024	Ua
2-Methylnaphthalene	ND	0.002	"	"	"	"	"	Ua
Acenaphthene	ND	0.020	"	"	"	"	"	Ua
Anthracene	ND	0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	ND	0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND	0.020	"	"	"	"	"	Ua
Benzo (b) fluoranthene	ND	0.020	"	"	"	"	"	Ua
Benzo (k) fluoranthene	ND	0.020	"	"	"	"	"	Ua
Chrysene	ND	0.020	"	"	"	"	"	Ua
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	Ua
Fluoranthene	ND	0.020	"	"	"	"	"	Ua
Fluorene	ND	0.020	"	"	"	"	"	Ua
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	Ua
Pyrene	ND	0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	105 %	60-130	"	"	"	"	"
Surrogate: Anthracene-d10	92.4 %	60-130	"	"	"	"	"
Surrogate: Pyrene-d10	95.8 %	60-130	"	"	"	"	"
Surrogate: Benzo (a) pyrene-d12	102 %	60-130	"	"	"	"	"

Origins Laboratory, Inc.



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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@2-4'
5/1/2024 12:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-05 (Soil)

pH in Soil by 9045D

pH	7.99	pH Units	1	B4E1421	05/14/2024	05/14/2024
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Table 915 metals by EPA 6020B

Arsenic	3.00	0.242	mg/kg	10	B4E0327	05/03/2024	05/06/2024
Barium	239	8.36	"	"	"	"	"
Cadmium	0.125	0.0836	"	"	"	"	"
Copper	14.9	8.36	"	"	"	"	"
Lead	10.6	0.836	"	"	"	"	"
Nickel	13.0	0.836	"	"	"	"	"
Selenium	0.362	0.217	"	"	"	"	"
Silver	ND	0.0836	"	"	"	"	05/07/2024
Zinc	56.1	30.9	"	"	"	"	05/06/2024

Total Metals by 7196A

Hexavalent Chromium	ND	0.186	0.465	mg/kg dry	1	2617731	05/28/2024	05/29/2024	U
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Origins Laboratory, Inc.

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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@2-4'
5/1/2024 12:37:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-06 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4E0701	05/07/2024	05/09/2024	Ua
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	91.2 %	50-150	"	"	"	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4E0628	05/06/2024	05/07/2024	Ua
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	Ua
Benzene	ND	0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND	0.00200	"	"	"	"	"	Ua
Naphthalene	ND	0.00380	"	"	"	"	"	Ua
Toluene	ND	0.00200	"	"	"	"	"	Ua
Xylenes, total	ND	0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4	101 %	70-130	"	"	"	"	"	"
Surrogate: Toluene-d8	95.5 %	70-130	"	"	"	"	"	"
Surrogate: 4-Bromofluorobenzene	106 %	70-130	"	"	"	"	"	"

Origins Laboratory, Inc.

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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@2-4'
5/1/2024 12:37:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-06 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4E0630	05/06/2024	05/07/2024	Ua
2-Methylnaphthalene	ND	0.002	"	"	"	"	"	Ua
Acenaphthene	ND	0.020	"	"	"	"	"	Ua
Anthracene	ND	0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	ND	0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND	0.020	"	"	"	"	"	Ua
Benzo (b) fluoranthene	ND	0.020	"	"	"	"	"	Ua
Benzo (k) fluoranthene	ND	0.020	"	"	"	"	"	Ua
Chrysene	ND	0.020	"	"	"	"	"	Ua
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	Ua
Fluoranthene	ND	0.020	"	"	"	"	"	Ua
Fluorene	ND	0.020	"	"	"	"	"	Ua
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	Ua
Pyrene	ND	0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	105 %	60-130	"	"	"	"	"
Surrogate: Anthracene-d10	93.7 %	60-130	"	"	"	"	"
Surrogate: Pyrene-d10	97.8 %	60-130	"	"	"	"	"
Surrogate: Benzo (a) pyrene-d12	106 %	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

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

MW-06@2-4'
5/1/2024 12:37:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-06 (Soil)

pH in Soil by 9045D

pH	8.18	pH Units	1	B4E1421	05/14/2024	05/14/2024
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Table 915 metals by EPA 6020B

Arsenic	3.71	0.249	mg/kg	10	B4E0327	05/03/2024	05/06/2024
Barium	88.1	8.57	"	"	"	"	"
Cadmium	0.213	0.0857	"	"	"	"	"
Copper	11.7	8.57	"	"	"	"	"
Lead	10.4	0.857	"	"	"	"	"
Nickel	7.68	0.857	"	"	"	"	"
Selenium	0.332	0.223	"	"	"	"	"
Silver	ND	0.0857	"	"	"	"	05/07/2024
Zinc	45.2	31.7	"	"	"	"	05/06/2024

Total Metals by 7196A

Hexavalent Chromium	ND	0.165	0.412	mg/kg dry	1	2617731	05/28/2024	05/29/2024	U
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Origins Laboratory, Inc.



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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

SB-01@3-4'

5/1/2024 2:25:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-07 (Soil)

pH in Soil by 9045D

pH	8.14			pH Units	1	B4E1421	05/14/2024	05/14/2024	
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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

SB-02@3-4'

5/2/2024 11:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-08 (Soil)

pH in Soil by 9045D

pH	8.19			pH Units	1	B4E1421	05/14/2024	05/14/2024	
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Jordan A. Bynon For Jen Pellegrini, Project Manager



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

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

SB-03@3-4'

5/2/2024 11:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-09 (Soil)

pH in Soil by 9045D

pH	8.18			pH Units	1	B4E1421	05/14/2024	05/14/2024	
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Jordan A. Bynon For Jen Pellegrini, Project Manager



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

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

SB-04@3-4'

5/2/2024 2:12:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-10 (Soil)

pH in Soil by 9045D

pH	8.40			pH Units	1	B4E1421	05/14/2024	05/14/2024	
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Jordan A. Bynon For Jen Pellegrini, Project Manager



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

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

SB-05@3-4'

5/1/2024 2:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y405082-11 (Soil)

pH in Soil by 9045D

pH	8.26			pH Units	1	B4E1421	05/14/2024	05/14/2024	
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Jordan A. Bynon For Jen Pellegrini, Project Manager



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

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

SB-01@4-5'

5/1/2024 2:25:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-12 (Soil)

pH in Soil by 9045D

pH	8.30			pH Units	1	B4E1421	05/14/2024	05/14/2024	
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Jordan A. Bynon For Jen Pellegrini, Project Manager



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

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

SB-02@4-5'

5/2/2024 11:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-13 (Soil)

pH in Soil by 9045D

pH	8.27			pH Units	1	B4E1421	05/14/2024	05/14/2024	
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Jordan A. Bynon For Jen Pellegrini, Project Manager



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

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

SB-03@4-5'

5/2/2024 11:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-14 (Soil)

pH in Soil by 9045D

pH	8.36			pH Units	1	B4E1421	05/14/2024	05/14/2024	
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Jordan A. Bynon For Jen Pellegrini, Project Manager



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

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

SB-04@4-5'

5/1/2024 2:12:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-15 (Soil)

pH in Soil by 9045D

pH	7.76			pH Units	1	B4E1421	05/14/2024	05/14/2024	
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Jordan A. Bynon For Jen Pellegrini, Project Manager



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

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

SB-05@4-5'

5/1/2024 2:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-16 (Soil)

pH in Soil by 9045D

pH	8.33			pH Units	1	B4E1421	05/14/2024	05/14/2024	
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Jordan A. Bynon For Jen Pellegrini, Project Manager



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

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

Background-02@2.5-5'
5/2/2024 11:47:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-17 (Soil)

pH in Soil by 9045D

pH	8.35	pH Units	1	B4E1421	05/14/2024	05/14/2024
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Table 915 metals by EPA 6020B

Arsenic	1.62	0.275	mg/kg	10	B4E0327	05/03/2024	05/06/2024
Barium	56.0	9.48	"	"	"	"	"
Cadmium	ND	0.0948	"	"	"	"	"
Copper	ND	9.48	"	"	"	"	"
Lead	4.56	0.948	"	"	"	"	"
Nickel	6.36	0.948	"	"	"	"	"
Selenium	ND	0.246	"	"	"	"	"
Silver	ND	0.0948	"	"	"	"	05/07/2024
Zinc	ND	35.1	"	"	"	"	05/06/2024

Total Metals by 7196A

Hexavalent Chromium	ND	0.120	0.300	mg/kg dry	1	2617731	05/28/2024	05/29/2024	u
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Wheat Ridge CO 80033

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

Background-03@2.5-5'
5/2/2024 12:12:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-18 (Soil)

pH in Soil by 9045D

pH	8.38	pH Units	1	B4E1421	05/14/2024	05/14/2024
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Table 915 metals by EPA 6020B

Arsenic	1.05	0.262	mg/kg	10	B4E0327	05/03/2024	05/06/2024
Barium	34.7	9.03	"	"	"	"	"
Cadmium	ND	0.0903	"	"	"	"	"
Copper	ND	9.03	"	"	"	"	"
Lead	3.18	0.903	"	"	"	"	"
Nickel	3.49	0.903	"	"	"	"	"
Selenium	ND	0.235	"	"	"	"	"
Silver	ND	0.0903	"	"	"	"	05/07/2024
Zinc	ND	33.4	"	"	"	"	05/06/2024

Total Metals by 7196A

Hexavalent Chromium	ND	0.156	0.391	mg/kg dry	1	2617731	05/28/2024	05/29/2024	U
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Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

Background-04@2.5-5'
5/2/2024 12:27:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-19 (Soil)

pH in Soil by 9045D

pH	8.45	pH Units	1	B4E1421	05/14/2024	05/14/2024
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Table 915 metals by EPA 6020B

Arsenic	1.37	0.245	mg/kg	10	B4E0327	05/03/2024	05/06/2024
Barium	109	8.45	"	"	"	"	"
Cadmium	0.146	0.0845	"	"	"	"	"
Copper	ND	8.45	"	"	"	"	"
Lead	6.19	0.845	"	"	"	"	"
Nickel	6.98	0.845	"	"	"	"	"
Selenium	ND	0.220	"	"	"	"	"
Silver	ND	0.0845	"	"	"	"	05/07/2024
Zinc	32.7	31.3	"	"	"	"	05/06/2024

Total Metals by 7196A

Hexavalent Chromium	ND	0.157	0.392	mg/kg dry	1	2617731	05/28/2024	05/29/2024	U
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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

Background-05@2.5-5'
5/2/2024 12:43:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-20 (Soil)

pH in Soil by 9045D

pH	8.58	pH Units	1	B4E1421	05/14/2024	05/14/2024
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Table 915 metals by EPA 6020B

Arsenic	2.07	0.257	mg/kg	10	B4E0327	05/03/2024	05/06/2024
Barium	97.9	8.86	"	"	"	"	"
Cadmium	ND	0.0886	"	"	"	"	"
Copper	ND	8.86	"	"	"	"	"
Lead	6.95	0.886	"	"	"	"	"
Nickel	8.89	0.886	"	"	"	"	"
Selenium	ND	0.230	"	"	"	"	"
Silver	ND	0.0886	"	"	"	"	05/07/2024
Zinc	35.9	32.8	"	"	"	"	05/06/2024

Total Metals by 7196A

Hexavalent Chromium	ND	0.192	0.480	mg/kg dry	1	2617731	05/28/2024	05/29/2024	U
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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

Background-06@2.5-5'
5/2/2024 11:57:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-21 (Soil)

pH in Soil by 9045D

pH	8.49	pH Units	1	B4E1422	05/14/2024	05/14/2024
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Table 915 metals by EPA 6020B

Arsenic	1.41	0.254	mg/kg	10	B4E0327	05/03/2024	05/06/2024
Barium	76.3	8.76	"	"	"	"	"
Cadmium	ND	0.0876	"	"	"	"	"
Copper	ND	8.76	"	"	"	"	"
Lead	5.54	0.876	"	"	"	"	"
Nickel	6.33	0.876	"	"	"	"	"
Selenium	ND	0.228	"	"	"	"	"
Silver	ND	0.0876	"	"	"	"	05/07/2024
Zinc	ND	32.4	"	"	"	"	05/06/2024

Total Metals by 7196A

Hexavalent Chromium	ND	0.163	0.406	mg/kg dry	1	2617731	05/28/2024	05/29/2024	U
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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

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 B4E0628 - EPA 5030 (soil)

Blank (B4E0628-BLK1)

Prepared: 05/06/2024 Analyzed: 05/07/2024

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							Ua
1,3,5-Trimethylbenzene	ND	0.00200	"							Ua
Benzene	ND	0.00200	"							Ua
Ethylbenzene	ND	0.00200	"							Ua
Naphthalene	ND	0.00380	"							Ua
Toluene	ND	0.00200	"							Ua
Xylenes, total	ND	0.00200	"							Ua
Gasoline Range Hydrocarbons	ND	0.200	"							Ua
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		99.2	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		107	70-130			

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Jordan A. Bynon For Jen Pellegrini, Project Manager



Eagle Environmental Consulting, LLC
8000 W 44th Ave
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Andrew Newberry
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 B4E0628 - EPA 5030 (soil)

LCS (B4E0628-BS1)

Prepared: 05/06/2024 Analyzed: 05/07/2024

1,2,4-Trimethylbenzene	0.0949	0.00200	mg/kg	0.100		94.9	70-130			
1,3,5-Trimethylbenzene	0.0973	0.00200	"	0.100		97.3	70-130			
Benzene	0.0978	0.00200	"	0.100		97.8	70-130			
Ethylbenzene	0.0940	0.00200	"	0.100		94.0	70-130			
Naphthalene	0.110	0.00380	"	0.100		110	70-130			
Toluene	0.0965	0.00200	"	0.100		96.5	70-130			
o-Xylene	0.0929	0.00200	"	0.100		92.9	70-130			
m,p-Xylene	0.186	0.00400	"	0.200		93.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		98.2	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		95.9	70-130			

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Andrew Newberry
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 B4E0628 - EPA 5030 (soil)

Matrix Spike (B4E0628-MS1)

Source: Y405082-02

Prepared: 05/06/2024 Analyzed: 05/07/2024

1,2,4-Trimethylbenzene	0.116	0.00200	mg/kg	0.100	ND	116	70-130
1,3,5-Trimethylbenzene	0.115	0.00200	"	0.100	ND	115	70-130
Benzene	0.117	0.00200	"	0.100	ND	117	70-130
Ethylbenzene	0.115	0.00200	"	0.100	ND	115	70-130
Naphthalene	0.127	0.00380	"	0.100	ND	127	70-130
Toluene	0.112	0.00200	"	0.100	ND	112	70-130
o-Xylene	0.116	0.00200	"	0.100	ND	116	70-130
m,p-Xylene	0.229	0.00400	"	0.200	0.000820	114	70-130
Surrogate: 1,2-Dichloroethane-d4	0.12	"	"	0.125		96.2	70-130
Surrogate: Toluene-d8	0.12	"	"	0.125		99.1	70-130
Surrogate: 4-Bromofluorobenzene	0.13	"	"	0.125		104	70-130

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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

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 B4E0628 - EPA 5030 (soil)

Matrix Spike Dup (B4E0628-MSD1)

Source: Y405082-02

Prepared: 05/06/2024 Analyzed: 05/07/2024

1,2,4-Trimethylbenzene	0.117	0.00200	mg/kg	0.100	ND	117	70-130	1.05	20	
1,3,5-Trimethylbenzene	0.116	0.00200	"	0.100	ND	116	70-130	1.02	20	
Benzene	0.119	0.00200	"	0.100	ND	119	70-130	1.69	20	
Ethylbenzene	0.116	0.00200	"	0.100	ND	116	70-130	0.622	20	
Naphthalene	0.134	0.00380	"	0.100	ND	134	70-130	5.43	20	QM-07
Toluene	0.113	0.00200	"	0.100	ND	113	70-130	0.569	20	
o-Xylene	0.117	0.00200	"	0.100	ND	117	70-130	0.704	20	
m,p-Xylene	0.229	0.00400	"	0.200	0.000820	114	70-130	0.192	20	
Surrogate: 1,2-Dichloroethane-d4	0.12	"	"	0.125		95.3	70-130			
Surrogate: Toluene-d8	0.12	"	"	0.125		97.8	70-130			
Surrogate: 4-Bromofluorobenzene	0.13	"	"	0.125		103	70-130			

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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

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 B4E0701 - EPA 3550B

Blank (B4E0701-BLK1)

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

Diesel (C10-C28)	ND	25.0	mg/kg							Ua
Residual Range Organics (C28-C40)	ND	100	"							Ua
Surrogate: o-Terphenyl	23		"	24.9		91.3	50-150			

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

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

Extractable Petroleum Hydrocarbons by 8015D - 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 B4E0701 - EPA 3550B

LCS (B4E0701-BS1)

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

Diesel (C10-C28)	980	50.0	mg/kg	1000		98.0	70-130			
Residual Range Organics (C28-C40)	978	200	"	1000		97.8	70-130			
Surrogate: o-Terphenyl	58		"	49.8		117	50-150			

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

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

Extractable Petroleum Hydrocarbons by 8015D - 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 B4E0701 - EPA 3550B

Matrix Spike (B4E0701-MS1)

Source: Y405082-01

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

Diesel (C10-C28)	3860	50.0	mg/kg	1000	3730	12.7	70-130			QM-07
Residual Range Organics (C28-C40)	1400	200	"	1000	829	57.4	70-130			QM-07
Surrogate: o-Terphenyl	83		"	49.8		166	50-150			S-04

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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

Extractable Petroleum Hydrocarbons by 8015D - 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 B4E0701 - EPA 3550B

Matrix Spike Dup (B4E0701-MSD1)

Source: Y405082-01

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

Diesel (C10-C28)	4530	50.0	mg/kg	1000	3730	80.0	70-130	16.0	35	
Residual Range Organics (C28-C40)	1520	200	"	1000	829	69.4	70-130	8.21	35	QM-07
Surrogate: o-Terphenyl	64		"	49.8		129	50-150			

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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

Extractable Petroleum Hydrocarbons by 8015D - 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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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 B4E0327 - EPA 3050B

Blank (B4E0327-BLK1)

Prepared: 05/03/2024 Analyzed: 05/06/2024

Arsenic	ND	0.290	mg/kg
Barium	ND	10.0	"
Cadmium	ND	0.100	"
Copper	ND	10.0	"
Lead	ND	1.00	"
Nickel	ND	1.00	"
Selenium	ND	0.260	"
Silver	ND	0.100	"
Zinc	ND	37.0	"

LCS (B4E0327-BS1)

Prepared: 05/03/2024 Analyzed: 05/06/2024

Arsenic	5.32	0.290	mg/kg	5.00	106	80-120
Barium	538	10.0	"	500	108	80-120
Cadmium	5.20	0.100	"	5.00	104	80-120
Copper	53.3	10.0	"	50.0	107	80-120
Lead	5.16	1.00	"	5.00	103	80-120
Nickel	5.22	1.00	"	5.00	104	80-120
Selenium	9.36	0.260	"	9.50	98.6	80-120
Silver	5.40	0.100	"	5.00	108	80-120
Zinc	51.8	37.0	"	50.0	104	80-120

Matrix Spike (B4E0327-MS1)

Source: Y405082-02

Prepared: 05/03/2024 Analyzed: 05/06/2024

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

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

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 B4E0327 - EPA 3050B

Matrix Spike (B4E0327-MS1)

Source: Y405082-02

Prepared: 05/03/2024 Analyzed: 05/06/2024

Arsenic	8.80	0.272	mg/kg	4.68	4.35	95.0	75-125
Barium	647	9.37	"	468	146	107	75-125
Cadmium	4.91	0.0937	"	4.68	0.151	102	75-125
Copper	62.3	9.37	"	46.8	13.6	104	75-125
Lead	14.2	0.937	"	4.68	10.1	88.9	75-125
Nickel	16.8	0.937	"	4.68	12.5	90.6	75-125
Selenium	8.52	0.244	"	8.90	0.195	93.6	75-125
Silver	4.93	0.0937	"	4.68	0.0112	105	75-125
Zinc	99.4	34.7	"	46.8	52.7	99.7	75-125

Matrix Spike Dup (B4E0327-MSD1)

Source: Y405082-02

Prepared: 05/03/2024 Analyzed: 05/06/2024

Arsenic	8.19	0.246	mg/kg	4.24	4.35	90.7	75-125	7.16	20
Barium	663	8.47	"	424	146	122	75-125	2.57	20
Cadmium	4.76	0.0847	"	4.24	0.151	109	75-125	3.07	20
Copper	56.5	8.47	"	42.4	13.6	101	75-125	9.79	20
Lead	14.4	0.847	"	4.24	10.1	102	75-125	1.23	20
Nickel	16.5	0.847	"	4.24	12.5	93.1	75-125	1.81	20
Selenium	7.25	0.220	"	8.05	0.195	87.6	75-125	16.1	20
Silver	4.71	0.0847	"	4.24	0.0112	111	75-125	4.42	20
Zinc	92.6	31.4	"	42.4	52.7	94.2	75-125	7.03	20

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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

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 B4E0630 - EPA 3580

Blank (B4E0630-BLK1)

Prepared: 05/06/2024 Analyzed: 05/07/2024

1-Methylnaphthalene	ND	0.002	mg/kg							Ua
2-Methylnaphthalene	ND	0.002	"							Ua
Acenaphthene	ND	0.020	"							Ua
Anthracene	ND	0.020	"							Ua
Benzo (a) anthracene	ND	0.005	"							Ua
Benzo (a) pyrene	ND	0.020	"							Ua
Benzo (b) fluoranthene	ND	0.020	"							Ua
Benzo (g,h,i) perylene	ND	0.020	"							Ua
Benzo (k) fluoranthene	ND	0.020	"							Ua
Chrysene	ND	0.020	"							Ua
Dibenz (a,h) anthracene	ND	0.020	"							Ua
Fluoranthene	ND	0.020	"							Ua
Fluorene	ND	0.020	"							Ua
Indeno (1,2,3-cd) pyrene	ND	0.020	"							Ua
Naphthalene	ND	0.002	"							Ua
Phenanthrene	ND	0.020	"							Ua
Pyrene	ND	0.020	"							Ua

Surrogate: Fluorene-d10	210		ug/kg	200		104	60-130
Surrogate: Anthracene-d10	190		"	200		93.9	60-130
Surrogate: Pyrene-d10	200		"	200		99.0	60-130
Surrogate: Benzo (a) pyrene-d12	210		"	200		106	60-130

LCS (B4E0630-BS1)

Prepared: 05/06/2024 Analyzed: 05/07/2024

1-Methylnaphthalene	0.215	0.002	mg/kg	0.200		108	70-130
2-Methylnaphthalene	0.214	0.002	"	0.200		107	70-130
Acenaphthene	0.222	0.020	"	0.200		111	70-130
Anthracene	0.205	0.020	"	0.200		103	70-130

Origins Laboratory, Inc.

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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
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Batch B4E0630 - EPA 3580

LCS (B4E0630-BS1)

Prepared: 05/06/2024 Analyzed: 05/07/2024

Benzo (a) anthracene	0.208	0.005	mg/kg	0.200		104	70-130
Benzo (a) pyrene	0.207	0.020	"	0.200		104	70-130
Benzo (b) fluoranthene	0.214	0.020	"	0.200		107	70-130
Benzo (g,h,i) perylene	0.205	0.020	"	0.200		103	70-130
Benzo (k) fluoranthene	0.190	0.020	"	0.200		94.9	70-130
Chrysene	0.216	0.020	"	0.200		108	70-130
Dibenz (a,h) anthracene	0.229	0.020	"	0.200		114	70-130
Fluoranthene	0.203	0.020	"	0.200		101	70-130
Fluorene	0.235	0.020	"	0.200		117	70-130
Indeno (1,2,3-cd) pyrene	0.206	0.020	"	0.200		103	70-130
Naphthalene	0.223	0.002	"	0.200		111	70-130
Phenanthrene	0.213	0.020	"	0.200		107	70-130
Pyrene	0.201	0.020	"	0.200		101	70-130
Surrogate: Fluorene-d10	210		ug/kg	200		105	60-130
Surrogate: Anthracene-d10	190		"	200		94.1	60-130
Surrogate: Pyrene-d10	190		"	200		95.0	60-130
Surrogate: Benzo (a) pyrene-d12	200		"	200		102	60-130

Matrix Spike (B4E0630-MS1)

Source: Y405046-01

Prepared: 05/06/2024 Analyzed: 05/07/2024

1-Methylnaphthalene	0.212	0.002	mg/kg	0.200	ND	106	70-130
2-Methylnaphthalene	0.212	0.002	"	0.200	ND	106	70-130
Acenaphthene	0.218	0.020	"	0.200	ND	109	70-130
Anthracene	0.200	0.020	"	0.200	0.001	99.3	70-130
Benzo (a) anthracene	0.215	0.005	"	0.200	ND	107	70-130
Benzo (a) pyrene	0.206	0.020	"	0.200	ND	103	70-130
Benzo (b) fluoranthene	0.189	0.020	"	0.200	ND	94.6	70-130
Benzo (g,h,i) perylene	0.216	0.020	"	0.200	0.0007	108	70-130

Origins Laboratory, Inc.



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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
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Batch B4E0630 - EPA 3580

Matrix Spike (B4E0630-MS1)

Source: Y405046-01

Prepared: 05/06/2024 Analyzed: 05/07/2024

Benzo (k) fluoranthene	0.185	0.020	mg/kg	0.200	0.0006	92.4	70-130			
Chrysene	0.205	0.020	"	0.200	0.0006	102	70-130			
Dibenz (a,h) anthracene	0.223	0.020	"	0.200	ND	111	70-130			
Fluoranthene	0.198	0.020	"	0.200	0.0006	98.8	70-130			
Fluorene	0.231	0.020	"	0.200	ND	116	70-130			
Indeno (1,2,3-cd) pyrene	0.220	0.020	"	0.200	0.002	109	70-130			
Naphthalene	0.221	0.002	"	0.200	ND	110	70-130			
Phenanthrene	0.209	0.020	"	0.200	ND	104	70-130			
Pyrene	0.196	0.020	"	0.200	0.0006	97.9	70-130			
Surrogate: Fluorene-d10	210		ug/kg	200		106	60-130			
Surrogate: Anthracene-d10	190		"	200		92.7	60-130			
Surrogate: Pyrene-d10	190		"	200		93.3	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		102	60-130			

Matrix Spike Dup (B4E0630-MSD1)

Source: Y405046-01

Prepared: 05/06/2024 Analyzed: 05/07/2024

1-Methylnaphthalene	0.210	0.002	mg/kg	0.200	ND	105	70-130	0.981	20	
2-Methylnaphthalene	0.210	0.002	"	0.200	ND	105	70-130	1.11	20	
Acenaphthene	0.217	0.020	"	0.200	ND	109	70-130	0.325	20	
Anthracene	0.202	0.020	"	0.200	0.001	100	70-130	1.03	20	
Benzo (a) anthracene	0.213	0.005	"	0.200	ND	107	70-130	0.653	20	
Benzo (a) pyrene	0.202	0.020	"	0.200	ND	101	70-130	1.80	20	
Benzo (b) fluoranthene	0.182	0.020	"	0.200	ND	91.2	70-130	3.63	20	
Benzo (g,h,i) perylene	0.207	0.020	"	0.200	0.0007	103	70-130	3.99	20	
Benzo (k) fluoranthene	0.167	0.020	"	0.200	0.0006	83.3	70-130	10.4	20	
Chrysene	0.214	0.020	"	0.200	0.0006	107	70-130	4.32	20	
Dibenz (a,h) anthracene	0.219	0.020	"	0.200	ND	109	70-130	1.71	20	
Fluoranthene	0.199	0.020	"	0.200	0.0006	99.4	70-130	0.606	20	

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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
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Batch B4E0630 - EPA 3580

Matrix Spike Dup (B4E0630-MSD1)

Source: Y405046-01

Prepared: 05/06/2024 Analyzed: 05/07/2024

Fluorene	0.225	0.020	mg/kg	0.200	ND	112	70-130	2.96	20	
Indeno (1,2,3-cd) pyrene	0.222	0.020	"	0.200	0.002	110	70-130	0.866	20	
Naphthalene	0.217	0.002	"	0.200	ND	109	70-130	1.43	20	
Phenanthrene	0.208	0.020	"	0.200	ND	104	70-130	0.167	20	
Pyrene	0.193	0.020	"	0.200	0.0006	96.1	70-130	1.83	20	
Surrogate: Fluorene-d10	210		ug/kg	200		104	60-130			
Surrogate: Anthracene-d10	190		"	200		93.7	60-130			
Surrogate: Pyrene-d10	190		"	200		92.7	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		97.6	60-130			

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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

Saturated Paste - 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 B4E1421 - Saturated Paste pH/EC

Duplicate (B4E1421-DUP1)

Source: Y405082-01

Prepared: 05/14/2024 Analyzed: 05/14/2024

pH	7.22	pH Units	7.22	0.00	25
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Batch B4E1422 - Saturated Paste pH/EC

Duplicate (B4E1422-DUP1)

Source: Y405082-21

Prepared: 05/14/2024 Analyzed: 05/14/2024

pH	8.49	pH Units	8.49	0.00	25
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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

Total Metals by 7196A - Quality Control GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2617731 - SW846 3060A										
BLANK (1205745519-BLK)										
Hexavalent Chromium	ND	0.391	mg/kg				-			U
LCS (1205745520-BKS)										
Hexavalent Chromium	3.17	0.320	mg/kg	3.20		98.8	80-120			
DUP (1205745521 D)										
		Source: 668251001				Prepared: 05/28/2024 Analyzed: 05/29/2024				
Hexavalent Chromium	ND	0.428	mg/kg dry		<0.171		0-50	N/A	50	U
MS (1205745522 S)										
		Source: 668251001				Prepared: 05/28/2024 Analyzed: 05/29/2024				
Hexavalent Chromium	4.63	0.444	mg/kg dry	4.44	<0.177	102	75-125			
DUP (1205745523 D)										
		Source: Y405082-20				Prepared: 05/28/2024 Analyzed: 05/29/2024				
Hexavalent Chromium	ND	0.431	mg/kg dry		<0.172		0-50	N/A	50	U
MS (1205745524 S)										
		Source: Y405082-20				Prepared: 05/28/2024 Analyzed: 05/29/2024				
Hexavalent Chromium	1.76	0.265	mg/kg dry	2.65	<0.106	66.4	75-125			
ILCS (1205745525-ILCS)										
						Prepared: 05/28/2024 Analyzed: 05/29/2024				
Hexavalent Chromium	7.28	0.343	mg/kg	7.07			80-120			

Origins Laboratory, Inc.



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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

- Ua Sample is Non-Detect.
- U Result not detected above the detection limit
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- 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 on a wet weight basis.
- Calculated results may use J-flag data (instead of reported "ND") as part of calculation to provide a more accurate result.

Origins Laboratory, Inc.



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