



January 02, 2024

Eagle Environmental Consulting, LLC

Andrew Newberry

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - PTF #C 32-8

Project Number - -

Attached are your analytical results for Noble - PTF #C 32-8 received by Origins Laboratory, Inc. December 14, 2023. This project is associated with Origins project number Y312471-01.

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: -
Project: Noble - PTF #C 32-8

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-01	Y312471-01	Water	December 14, 2023 11:25	12/14/2023 16:16
MW-02	Y312471-02	Water	December 14, 2023 11:45	12/14/2023 16:16
MW-03	Y312471-03	Water	December 14, 2023 12:00	12/14/2023 16:16
MW-04	Y312471-04	Water	December 14, 2023 12:16	12/14/2023 16:16
MW-05	Y312471-05	Water	December 14, 2023 12:30	12/14/2023 16:16

Origins Laboratory, Inc.

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Jordan A. Bynon, Project Manager

ORIGINS LABORATORY, INC

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

Andrew Newberry
Project Number: -
Project: Noble - PTF #C 32-8

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page 1 of 1

Y312471

Project Manager: Andrew Newberry
Project Name: PTF #C 32-8
Project Number: -
Samples Collected By: GK

Client: Eagle Environmental Consulting
Address: 8000 W 44th Ave
Wheat Ridge, CO 80033
Telephone Number: 303-133-0479
Email Address: andrew.newberry@origins-lab.com

ORIGINS
LABORATORY, INC

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative	Matrix	Analysis	Sample Instructions
MW-01	12/14/23	11:25	1	X	Soil	Volatile Chloride TDS Other	MDS Muted
MW-02		11:45					
MW-03		12:00					
MW-04		12:16					
MW-05		1:30					

Relinquished By	Date	Time	Received By	Date	Time	Relinquished By	Date	Time	Received By	Date	Time
gshurtley	12/14/23	16:16	JST	12/14/23	16:16						

Temp Received: Bill to Day

Date Results Needed: NOLC

Round Time: 24 Hr 48 Hr Standard

Origins Laboratory, Inc.
Bynon

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Jordan A. Bynon, Project Manager

ORIGINS

LABORATORY, INC

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

Andrew Newberry
 Project Number: -
 Project: Noble - PTF #C 32-8

Origins Laboratory

Sample Receipt Checklist

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

Origins Work Order: Y312471

Client: Eagle

Client Project ID: PTF C 32-8

Checklist Completed by: JG/HS

Shipped Via: HS

Date/time completed: 12/15/23

Airbill #: N/A
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)

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

Cooler Number/Temperature: 1160 °C °C °C (Describe)

Thermometer ID: 100

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 checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input 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⁾⁽²⁾ ?	<input checked="" type="checkbox"/>	<input 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⁾⁽⁷⁾ (note ID of confirmation instrument used in comment(s) / (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 checked="" type="checkbox"/>	<input 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 in the additional comments (above) and the case narrative.

Reviewed by (Project Manager): [Signature]

Date/Time Reviewed: 12/18/23

Origins Laboratory, Inc.

[Signature]

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Jordan A. Bynon, Project Manager



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

Andrew Newberry
 Project Number: -
 Project: Noble - PTF #C 32-8

MW-01

12/14/2023 11:25:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y312471-01 (Water)

Anions by IC 300.0

Chloride	483	31.2	mg/L	125	B3L2003	ACC	12/20/2023	12/22/2023	
Sulfate	1050	31.2	"	"	"	ACC	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	2820	5.00	"	1	B3L1533	KRM	12/15/2023	12/20/2023	
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 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: -
 Project: Noble - PTF #C 32-8

MW-02

12/14/2023 11:45:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.
 Y312471-02 (Water)**

Anions by IC 300.0

Chloride	236	31.2	mg/L	125	B3L2003	ACC	12/20/2023	12/22/2023	
Sulfate	1150	31.2	"	"	"	ACC	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	2720	5.00	"	1	B3L1533	KRM	12/15/2023	12/20/2023	
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MW-03

12/14/2023 12:00:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312471-03 (Water)

Anions by IC 300.0

Chloride	374	31.2	mg/L	125	B3L2003	ACC	12/20/2023	12/22/2023	
Sulfate	855	31.2	"	"	"	ACC	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	2500	5.00	"	1	B3L1533	KRM	12/15/2023	12/20/2023	
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Jordan A. Bynon, Project Manager



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MW-04

12/14/2023 12:16:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.
 Y312471-04 (Water)**

Anions by IC 300.0

Chloride	522	31.2	mg/L	125	B3L2003	ACC	12/20/2023	12/22/2023	
Sulfate	959	31.2	"	"	"	ACC	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	2730	5.00	"	1	B3L1533	KRM	12/15/2023	12/20/2023	
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MW-05

12/14/2023 12:30:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.
 Y312471-05 (Water)**

Anions by IC 300.0

Chloride	431	31.2	mg/L	125	B3L2003	ACC	12/20/2023	12/22/2023	
Sulfate	969	31.2	"	"	"	ACC	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	2500	5.00	"	1	B3L1533	KRM	12/15/2023	12/20/2023	
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Classical Chemistry Parameters - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3L1533 - NO PREP

Blank (B3L1533-BLK1)

Prepared: 12/15/2023 Analyzed: 12/20/2023

Total Dissolved Solids ND 5.00 mg/L

LCS (B3L1533-BS1)

Prepared: 12/15/2023 Analyzed: 12/20/2023

Total Dissolved Solids 1060 5.00 mg/L 1090 97.2 90-110

Duplicate (B3L1533-DUP1)

Source: Y312459-21

Prepared: 12/15/2023 Analyzed: 12/20/2023

Total Dissolved Solids 2270 5.00 mg/L 2290 0.614 10

Batch B3L2003 - Filter .45um non acidified

Blank (B3L2003-BLK1)

Prepared: 12/20/2023 Analyzed: 12/22/2023

Chloride ND 0.250 mg/L

Sulfate ND 0.250 "

LCS (B3L2003-BS1)

Prepared: 12/20/2023 Analyzed: 12/22/2023

Chloride 3.99 0.250 mg/L 4.00 99.8 90-110

Sulfate 4.01 0.250 " 4.00 100 90-110

Matrix Spike (B3L2003-MS1)

Source: Y312478-04

Prepared: 12/20/2023 Analyzed: 12/22/2023

Chloride 550 mg/L 500 53.4 99.4 90-110

Sulfate 820 " 500 301 104 90-110

Matrix Spike Dup (B3L2003-MSD1)

Source: Y312478-04

Prepared: 12/20/2023 Analyzed: 12/22/2023

Chloride 554 mg/L 500 53.4 100 90-110 0.548 5

Sulfate 819 " 500 301 104 90-110 0.0519 5

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Notes and Definitions

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

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