



July 15, 2022

Eagle Environmental Consulting, Inc.

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - PTF #C 32-8

Project Number - [none]

Attached are your analytical results for Noble - PTF #C 32-8 received by Origins Laboratory, Inc. June 29, 2022. This project is associated with Origins project number Y206738-01.

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, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - PTF #C 32-8

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Background-01@3	Y206738-01	Soil	June 16, 2022 11:40	06/29/2022 12:14

Origins Laboratory, Inc.



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Jen Pellegrini For Jordan A. Bynon, Project Manager

ORIGINS LABORATORY, INC

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

Martin C Eckert III
Project Number: [none]
Project: Noble - PTF #C 32-8

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

Origins Work Order: 4206738 Sample Receipt Checklist

Client: Eagle/Noble
Client Project ID: PTF 32-8

Checklist Completed by: JPB
Date/Time completed: 11/30/22
Shipped Via: HD
Airbill #: N/A
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

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

Cooler Number/Temperature: 1, 1.8 °C _____ °C (Describe) _____ °C

Thermometer ID: T003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of instrumentation used in comments) / (preservation is not confirmed for subcontracted analyses. 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, 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 (o in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) [Signature] Date/Time Reviewed 7/1/22

Origins Laboratory, Inc.
[Signature]

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 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - PTF #C 32-8

Background-01@3'
6/16/2022 11:40:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y206738-01 (Soil)

Table 915 metals by EPA 6020B

Arsenic	1.24	0.0399	mg/kg	4	B2F3007	CW	06/30/2022	07/06/2022	
Barium	44.9	20.0	"	"	"	CW	"	"	
Cadmium	ND	0.0399	"	"	"	CW	"	"	U
Copper	11.7	3.99	"	"	"	CW	"	"	
Lead	2.80	0.399	"	"	"	CW	"	"	
Nickel	4.02	0.399	"	"	"	CW	"	"	
Selenium	0.0699	0.0399	"	"	"	CW	"	"	
Silver	ND	0.399	"	"	"	CW	"	"	U
Zinc	ND	39.9	"	"	"	CW	"	"	U

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Metals by SM 3500 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 B2F3007 - Default Prep Metals

Blank (B2F3007-BLK1)

Prepared: 06/30/2022 Analyzed: 07/06/2022

Arsenic	ND	0.000100	mg/kg							U
Barium	ND	0.0500	"							U
Cadmium	ND	0.000100	"							U
Copper	ND	0.0100	"							U
Lead	ND	0.00100	"							U
Nickel	ND	0.00100	"							U
Selenium	ND	0.000100	"							U
Silver	ND	0.00100	"							U
Zinc	ND	0.100	"							U

LCS (B2F3007-BS1)

Prepared: 06/30/2022 Analyzed: 07/06/2022

Arsenic	0.0955	0.000100	mg/kg	0.100		95.5	80-120
Barium	9.41	0.0500	"	10.0		94.1	80-120
Cadmium	0.105	0.000100	"	0.100		105	80-120
Copper	1.03	0.0100	"	1.00		103	80-120
Lead	0.105	0.00100	"	0.100		105	80-120
Nickel	0.105	0.00100	"	0.100		105	80-120
Selenium	0.102	0.000100	"	0.100		102	80-120
Silver	0.107	0.00100	"	0.100		107	80-120
Zinc	0.963	0.100	"	1.00		96.3	80-120

Matrix Spike (B2F3007-MS1)

Source: Y206731-01

Prepared: 06/30/2022 Analyzed: 07/06/2022

Arsenic	9.07	0.0173	mg/kg	8.67	1.87	83.0	75-125
Barium	859	8.67	"	867	38.7	94.5	75-125
Cadmium	9.16	0.0173	"	8.67	0.0825	105	75-125
Copper	80.2	1.73	"	86.7	5.75	85.9	75-125
Lead	14.0	0.173	"	8.67	5.18	102	75-125

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Jen Pellegrini For Jordan A. Bynon, Project Manager



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 Project: Noble - PTF #C 32-8

Metals by SM 3500 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 B2F3007 - Default Prep Metals

Matrix Spike (B2F3007-MS1)

Source: Y206731-01

Prepared: 06/30/2022 Analyzed: 07/06/2022

Nickel	14.9	0.173	mg/kg	8.67	6.72	94.5	75-125			
Selenium	6.98	0.0173	"	8.67	0.0743	79.6	75-125			
Silver	9.18	0.173	"	8.67	0.0256	106	75-125			
Zinc	89.2	17.3	"	86.7	17.9	82.3	75-125			

Matrix Spike Dup (B2F3007-MSD1)

Source: Y206731-01

Prepared: 06/30/2022 Analyzed: 07/06/2022

Arsenic	8.91	0.0180	mg/kg	8.99	1.87	78.3	75-125	1.78	20	
Barium	826	8.99	"	899	38.7	87.6	75-125	3.88	20	
Cadmium	8.86	0.0180	"	8.99	0.0825	97.6	75-125	3.34	20	
Copper	81.5	1.80	"	89.9	5.75	84.3	75-125	1.58	20	
Lead	13.1	0.180	"	8.99	5.18	88.3	75-125	6.74	20	
Nickel	14.2	0.180	"	8.99	6.72	83.2	75-125	4.95	20	
Selenium	7.46	0.0180	"	8.99	0.0743	82.2	75-125	6.69	20	
Silver	8.71	0.180	"	8.99	0.0256	96.6	75-125	5.24	20	
Zinc	90.0	18.0	"	89.9	17.9	80.3	75-125	0.913	20	

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Project: Noble - PTF #C 32-8

Notes and Definitions

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

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