



July 24, 2023

Eagle Environmental Consulting, LLC

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Pluss G #25-7

Project Number - [none]

Attached are your analytical results for Noble - Pluss G #25-7 received by Origins Laboratory, Inc. July 14, 2023. This project is associated with Origins project number Y307322-01.

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Pluss G #25-7

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Background-01@2	Y307322-01	Soil	June 30, 2023 13:40	07/14/2023 15:55

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Pluss G #25-7



4307322

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page 1 of 1

Client: Eagle Env Consulting
 Address: 8000 W 44th Ave
 Telephone Number: 303-433-0670
 Email Address: m.c.eckert@eagleenv.com

Project Manager: Martin Eckert III
 Project Name: Pluss G #25-07
 Project Number: [none]
 Samples Collected By: MCE

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative			Matrix			Analysis	Sample Instructions	Turnaround Time
				HCl	HNO ₃	Other	Groundwater	Soil	Acsum #			
Background - 10/2	6/30/23	1310	2	X			X					24 Hr
												48 Hr
												72 Hr
												Standard

Date Relinquished By: [Signature]
 Date Relinquished: 7/11/23 1555
 Date Received By: [Signature]
 Date Received: 7/11/23 1555
 Date Results Needed: [Signature]

Origins Laboratory, Inc.

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ORIGINS

LABORATORY, INC

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Pluss G #25-7

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

Sample Receipt Checklist

Origins Work Order: 4307322 Client: Eagle
 Client Project ID: Pluss G #25-07

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

Date/time completed: 7/14/23 Airbill #: N/A

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

Cooler Number/Temperature: 113 °C / _____ °C / _____ °C (Describe) _____ °C


Thermometer ID: TO04

Requirement Description	Yes	No	N/A	Comments (if any)
Do samples require cooling, was the temperature between 0°C to ≤ 8°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is there ice present (document if blue ice is used)	<input checked="" 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"/>		
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"/>		
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" 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"/>	
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 checked="" 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 7/18/23

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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
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Martin C Eckert III
 Project Number: [none]
 Project: Noble - Pluss G #25-7

Background-01@2'
6/30/2023 1:40:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y307322-01 (Soil)

pH in Soil by 9045D

pH	6.93		pH Units	1	B3G1719	HJD	07/17/2023	07/18/2023	
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Table 915 metals by EPA 6020B

Arsenic	1.61	0.0986	mg/kg	10	B3G1716	EDM	07/17/2023	07/18/2023	
Barium	38.7	9.86	"	"	"	EDM	"	"	
Cadmium	0.107	0.0986	"	"	"	EDM	"	"	
Copper	ND	9.86	"	"	"	EDM	"	"	
Lead	ND	9.86	"	"	"	EDM	"	"	
Nickel	ND	9.86	"	"	"	EDM	"	"	
Selenium	ND	0.0986	"	"	"	EDM	"	"	
Silver	ND	0.0986	"	"	"	EDM	"	"	
Zinc	ND	98.6	"	"	"	EDM	"	"	

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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 B3G1716 - EPA 3050B

Prepared: 07/17/2023 Analyzed: 07/18/2023

Blank (B3G1716-BLK1)

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

LCS (B3G1716-BS1)

Prepared: 07/17/2023 Analyzed: 07/18/2023

Arsenic	0.0514	0.000100	mg/kg	0.0500	103	80-120				
Barium	5.27	0.0100	"	5.00	105	80-120				
Cadmium	0.0528	0.000100	"	0.0500	106	80-120				
Copper	0.522	0.0100	"	0.500	104	80-120				
Lead	0.0527	0.0100	"	0.0500	105	80-120				
Nickel	0.0519	0.0100	"	0.0500	104	80-120				
Selenium	0.0509	0.000100	"	0.0500	102	80-120				
Silver	0.0502	0.000100	"	0.0500	100	80-120				
Zinc	0.505	0.100	"	0.500	101	80-120				

Matrix Spike (B3G1716-MS1)

Source: Y307313-01

Prepared: 07/17/2023 Analyzed: 07/18/2023

Arsenic	7.57	0.0935	mg/kg	4.68	3.18	93.9	75-125			
Barium	576	9.35	"	468	84.8	105	75-125			
Cadmium	5.22	0.0935	"	4.68	0.333	104	75-125			
Copper	63.2	9.35	"	46.8	17.2	98.2	75-125			
Lead	23.5	9.35	"	4.68	17.5	129	75-125			QM-07

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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 B3G1716 - EPA 3050B

Matrix Spike (B3G1716-MS1)

Source: Y307313-01

Prepared: 07/17/2023 Analyzed: 07/18/2023

Nickel	23.6	9.35	mg/kg	4.68	16.9	143	75-125			QM-07
Selenium	4.66	0.0935	"	4.68	0.453	89.9	75-125			
Silver	4.63	0.0935	"	4.68	0.0414	98.1	75-125			
Zinc	124	93.5	"	46.8	67.4	120	75-125			

Matrix Spike Dup (B3G1716-MSD1)

Source: Y307313-01

Prepared: 07/17/2023 Analyzed: 07/18/2023

Arsenic	7.40	0.0969	mg/kg	4.84	3.18	87.1	75-125	2.33	20	
Barium	599	9.69	"	484	84.8	106	75-125	3.83	20	
Cadmium	5.30	0.0969	"	4.84	0.333	103	75-125	1.60	20	
Copper	64.2	9.69	"	48.4	17.2	96.8	75-125	1.57	20	
Lead	22.3	9.69	"	4.84	17.5	99.3	75-125	5.33	20	
Nickel	21.5	9.69	"	4.84	16.9	94.6	75-125	9.40	20	
Selenium	4.72	0.0969	"	4.84	0.453	88.0	75-125	1.19	20	
Silver	4.78	0.0969	"	4.84	0.0414	97.8	75-125	3.18	20	
Zinc	114	96.9	"	48.4	67.4	96.6	75-125	8.02	20	

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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 B3G1719 - Saturated Paste pH/EC

Duplicate (B3G1719-DUP1)

Source: Y307317-01

Prepared: 07/17/2023 Analyzed: 07/18/2023

pH	7.10	pH Units	7.02	1.13	25
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Martin C Eckert III
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Notes and Definitions

- 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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