



September 27, 2022

Eagle Environmental Consulting, Inc.

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Baker State B #36-12

Project Number - [none]

Attached are your analytical results for Noble - Baker State B #36-12 received by Origins Laboratory, Inc. September 22, 2022. This project is associated with Origins project number Y209515-01.

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 - Baker State B #36-12

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Background-01@2	Y209515-01	Soil	August 30, 2022 8:38	09/22/2022 15:00

Origins Laboratory, Inc.

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Y209515

ORIGINS LABORATORY, INC

Client: Eagle Env Consulting
Address: 8000 W 44th Ave
Wheat Ridge, CO 80033
Telephone Number: 303-438-1322
Email Address: info@originslab.com

Project Manager: Martin Eckert III
Project Name: Baker State B #36-12
Project Number: [none]
Samples Collected By: [none]

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative	Matrix	Analysis	Sample Instructions
Baker State B #36-12	9/22/22	15:00	1	Unpreserved	Soil	MLC	MLC build

Relinquished By: [Signature]
Relinquished By: [Signature]

Received By: [Signature] 9/22/22 15:00
Received By: [Signature] 9/22/22 15:00

Temp Received: 2.1
Date Results Needed: [blank]

Origins Laboratory, Inc.
Bynon

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Baker State B #36-12

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

Sample Receipt Checklist

Origins Work Order: Y209015 Client: Eagle/Noble

Client Project ID: Baker State

Checklist Completed by: JB/EHS Shipped Via: HD
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/Time completed: 9-26-22 Airbill #: NA

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

Cooler Number/Temperature: 121 °C _____ °C _____ °C (Describe) _____ °C

Thermometer ID: T603

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 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 (> 3/4 inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) (preservation is not confirmed for subsampled analysis in order to insure sample integrity)(pH < 2 for samples preserved with HNO3, HCL, H2SO4) / (pH > 10 for samples preserved with NaOH/NaOAc/NaOH, ZnAc+NaOH)	<input type="checkbox"/>	<input type="checkbox"/>	<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): JB Date/Time Reviewed: 9-26-22

Origins Laboratory, Inc.
Bynon

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 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Baker State B #36-12


Background-01@2'
8/30/2022 8:38:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y209515-01 (Soil)

Table 915 metals by EPA 6020B

Arsenic	4.11	0.0983	mg/kg	10	B212311	CNG	09/23/2022	09/24/2022	
Barium	191	9.83	"	"	"	CNG	"	"	
Cadmium	0.239	0.0983	"	"	"	CNG	"	"	
Copper	12.1	9.83	"	"	"	CNG	"	"	
Lead	17.5	9.83	"	"	"	CNG	"	"	
Nickel	ND	9.83	"	"	"	CNG	"	09/24/2022	
Selenium	0.400	0.0983	"	"	"	CNG	"	09/24/2022	
Silver	ND	0.0983	"	"	"	CNG	"	"	
Zinc	ND	98.3	"	"	"	CNG	"	"	

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***** DEFAULT GENERAL METHOD *** - 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 B212311 - Default Prep Metals

Blank (B212311-BLK1)

Prepared: 09/23/2022 Analyzed: 09/24/2022

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 (B212311-BS1)

Prepared: 09/23/2022 Analyzed: 09/24/2022

Arsenic	0.0490	0.000100	mg/kg	0.0500		98.0	80-120			
Barium	5.09	0.0100	"	5.00		102	80-120			
Cadmium	0.0488	0.000100	"	0.0500		97.6	80-120			
Copper	0.533	0.0100	"	0.500		107	80-120			
Lead	0.0518	0.0100	"	0.0500		104	80-120			
Nickel	0.0501	0.0100	"	0.0500		100	80-120			
Selenium	0.0496	0.000100	"	0.0500		99.1	80-120			
Silver	0.0403	0.000100	"	0.0500		80.7	80-120			
Zinc	0.483	0.100	"	0.500		96.6	80-120			

Matrix Spike (B212311-MS1)

Source: Y209513-01

Prepared: 09/23/2022 Analyzed: 09/24/2022

Arsenic	5.70	0.0973	mg/kg	4.87	1.10	94.7	75-125			
Barium	539	9.73	"	487	48.5	101	75-125			
Cadmium	4.82	0.0973	"	4.87	0.0937	97.0	75-125			
Copper	55.5	9.73	"	48.7	6.58	100	75-125			
Lead	8.28	9.73	"	4.87	4.41	79.5	75-125			

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Jordan A. Bynon For Jen Pellegrini, Project Manager



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Martin C Eckert III
 Project Number: [none]
 Project: Noble - Baker State B #36-12

***** DEFAULT GENERAL METHOD *** - 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 B212311 - Default Prep Metals

Matrix Spike (B212311-MS1)

Source: Y209513-01

Prepared: 09/23/2022 Analyzed: 09/24/2022

Nickel	6.64	9.73	mg/kg	4.87	2.48	85.5	75-125			
Selenium	4.53	0.0973	"	4.87	0.0947	91.1	75-125			
Silver	3.86	0.0973	"	4.87	0.224	74.7	75-125			QM-07
Zinc	67.5	97.3	"	48.7	26.1	85.1	75-125			

Matrix Spike Dup (B212311-MSD1)

Source: Y209513-01

Prepared: 09/23/2022 Analyzed: 09/24/2022

Arsenic	6.87	0.0966	mg/kg	4.83	1.10	119	75-125	18.5	20	
Barium	536	9.66	"	483	48.5	101	75-125	0.654	20	
Cadmium	4.92	0.0966	"	4.83	0.0937	99.9	75-125	2.09	20	
Copper	56.6	9.66	"	48.3	6.58	104	75-125	2.04	20	
Lead	9.81	9.66	"	4.83	4.41	112	75-125	16.9	20	
Nickel	7.04	9.66	"	4.83	2.48	94.5	75-125	5.86	20	
Selenium	4.63	0.0966	"	4.83	0.0947	93.8	75-125	2.19	20	
Silver	3.99	0.0966	"	4.83	0.224	78.1	75-125	3.47	20	
Zinc	71.0	96.6	"	48.3	26.1	93.1	75-125	5.12	20	

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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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