



August 28, 2023

Eagle Environmental Consulting, LLC

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Brown USX AA 03-23

Project Number - [none]

Attached are your analytical results for Noble - Brown USX AA 03-23 received by Origins Laboratory, Inc. August 18, 2023. This project is associated with Origins project number Y308497-01.

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.

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Martin C Eckert III
Project Number: [none]
Project: Noble - Brown USX AA 03-23

CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------------|---------------|--------|---------------------|------------------|
| Background-01@2 | Y308497-01 | Soil | July 27, 2023 14:17 | 08/18/2023 12:25 |

Origins Laboratory, Inc.

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Jordan A. Bynon, Project Manager



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Background-01@2'
7/27/2023 2:17:00PM

| Analyte | Result | Limit | Units | Dilution | Batch | Analyst | Prepared | Analyzed | Notes |
|---------|--------|-------|-------|----------|-------|---------|----------|----------|-------|
|---------|--------|-------|-------|----------|-------|---------|----------|----------|-------|

Origins Laboratory, Inc.
Y308497-01 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | | | |
|----------|-------|--------|-------|----|---------|-----|------------|------------|--|
| Arsenic | 4.04 | 0.0923 | mg/kg | 10 | B3H2128 | CIH | 08/21/2023 | 08/24/2023 | |
| Barium | 98.1 | 9.23 | " | " | " | CIH | " | " | |
| Cadmium | 0.210 | 0.0923 | " | " | " | CIH | " | " | |
| Lead | 9.58 | 9.23 | " | " | " | CIH | " | " | |
| Selenium | 0.173 | 0.0923 | " | " | " | CIH | " | " | |

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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 |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch B3H2128 - EPA 3050B

Prepared: 08/21/2023 Analyzed: 08/24/2023

Blank (B3H2128-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 (B3H2128-BS1)

Prepared: 08/21/2023 Analyzed: 08/24/2023

| | | | | | | | | | | |
|----------|--------|----------|-------|--------|--|------|--------|--|--|--|
| Arsenic | 0.0485 | 0.000100 | mg/kg | 0.0500 | | 97.1 | 80-120 | | | |
| Barium | 4.93 | 0.0100 | " | 5.00 | | 98.6 | 80-120 | | | |
| Cadmium | 0.0503 | 0.000100 | " | 0.0500 | | 101 | 80-120 | | | |
| Copper | 0.518 | 0.0100 | " | 0.500 | | 104 | 80-120 | | | |
| Lead | 0.0500 | 0.0100 | " | 0.0500 | | 100 | 80-120 | | | |
| Nickel | 0.0485 | 0.0100 | " | 0.0500 | | 97.1 | 80-120 | | | |
| Selenium | 0.0493 | 0.000100 | " | 0.0500 | | 98.6 | 80-120 | | | |
| Silver | 0.0521 | 0.000100 | " | 0.0500 | | 104 | 80-120 | | | |
| Zinc | 0.500 | 0.100 | " | 0.500 | | 100 | 80-120 | | | |

Matrix Spike (B3H2128-MS1)

Source: Y308485-01

Prepared: 08/21/2023 Analyzed: 08/24/2023

| | | | | | | | | | | |
|---------|------|--------|-------|------|-------|-----|--------|--|--|-------|
| Arsenic | 7.15 | 0.0937 | mg/kg | 4.68 | 1.72 | 116 | 75-125 | | | |
| Barium | 572 | 9.37 | " | 468 | 46.8 | 112 | 75-125 | | | |
| Cadmium | 5.43 | 0.0937 | " | 4.68 | 0.131 | 113 | 75-125 | | | |
| Copper | 59.3 | 9.37 | " | 46.8 | 5.11 | 116 | 75-125 | | | |
| Lead | 17.6 | 9.37 | " | 4.68 | 8.76 | 188 | 75-125 | | | QM-07 |

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Jordan A. Bynon, Project Manager



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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 |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch B3H2128 - EPA 3050B

Matrix Spike (B3H2128-MS1)

Source: Y308485-01

Prepared: 08/21/2023 Analyzed: 08/24/2023

| | | | | | | | | | | |
|----------|------|--------|-------|------|--------|-----|--------|--|--|-------|
| Nickel | 9.40 | 9.37 | mg/kg | 4.68 | 3.44 | 127 | 75-125 | | | QM-07 |
| Selenium | 4.87 | 0.0937 | " | 4.68 | 0.0663 | 103 | 75-125 | | | |
| Silver | 5.48 | 0.0937 | " | 4.68 | 0.0170 | 117 | 75-125 | | | |
| Zinc | 74.3 | 93.7 | " | 46.8 | 17.5 | 121 | 75-125 | | | |

Matrix Spike Dup (B3H2128-MSD1)

Source: Y308485-01

Prepared: 08/21/2023 Analyzed: 08/24/2023

| | | | | | | | | | | |
|----------|------|--------|-------|------|--------|------|--------|------|----|-------|
| Arsenic | 6.49 | 0.0928 | mg/kg | 4.64 | 1.72 | 103 | 75-125 | 9.57 | 20 | |
| Barium | 526 | 9.28 | " | 464 | 46.8 | 103 | 75-125 | 8.36 | 20 | |
| Cadmium | 4.98 | 0.0928 | " | 4.64 | 0.131 | 105 | 75-125 | 8.58 | 20 | |
| Copper | 55.7 | 9.28 | " | 46.4 | 5.11 | 109 | 75-125 | 6.34 | 20 | |
| Lead | 16.2 | 9.28 | " | 4.64 | 8.76 | 161 | 75-125 | 7.99 | 20 | QM-07 |
| Nickel | 8.48 | 9.28 | " | 4.64 | 3.44 | 109 | 75-125 | 10.3 | 20 | |
| Selenium | 4.38 | 0.0928 | " | 4.64 | 0.0663 | 92.9 | 75-125 | 10.7 | 20 | |
| Silver | 5.08 | 0.0928 | " | 4.64 | 0.0170 | 109 | 75-125 | 7.60 | 20 | |
| Zinc | 69.3 | 92.8 | " | 46.4 | 17.5 | 112 | 75-125 | 6.85 | 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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