



## **Facility Closure Investigation and Environmental Summary**

Bruntz G 16-23 Wellhead

ECMC Remediation Project #32833

Weld County, Colorado

### **Attachments:**

**Figure 1 – General Location Map**

**Figure 2 – Wellhead Soil Sample and Field Screening Locations**

**Table 1 – Soil Sample and Field Screening Location Information**

**Table 2 – Soil Analytical Results Summary Table – Volatile Organics**

**Table 3 – Soil Analytical Results Summary Table – PAHs**

**Table 4 – Soil Analytical Results Summary Table – Soil Suitability**

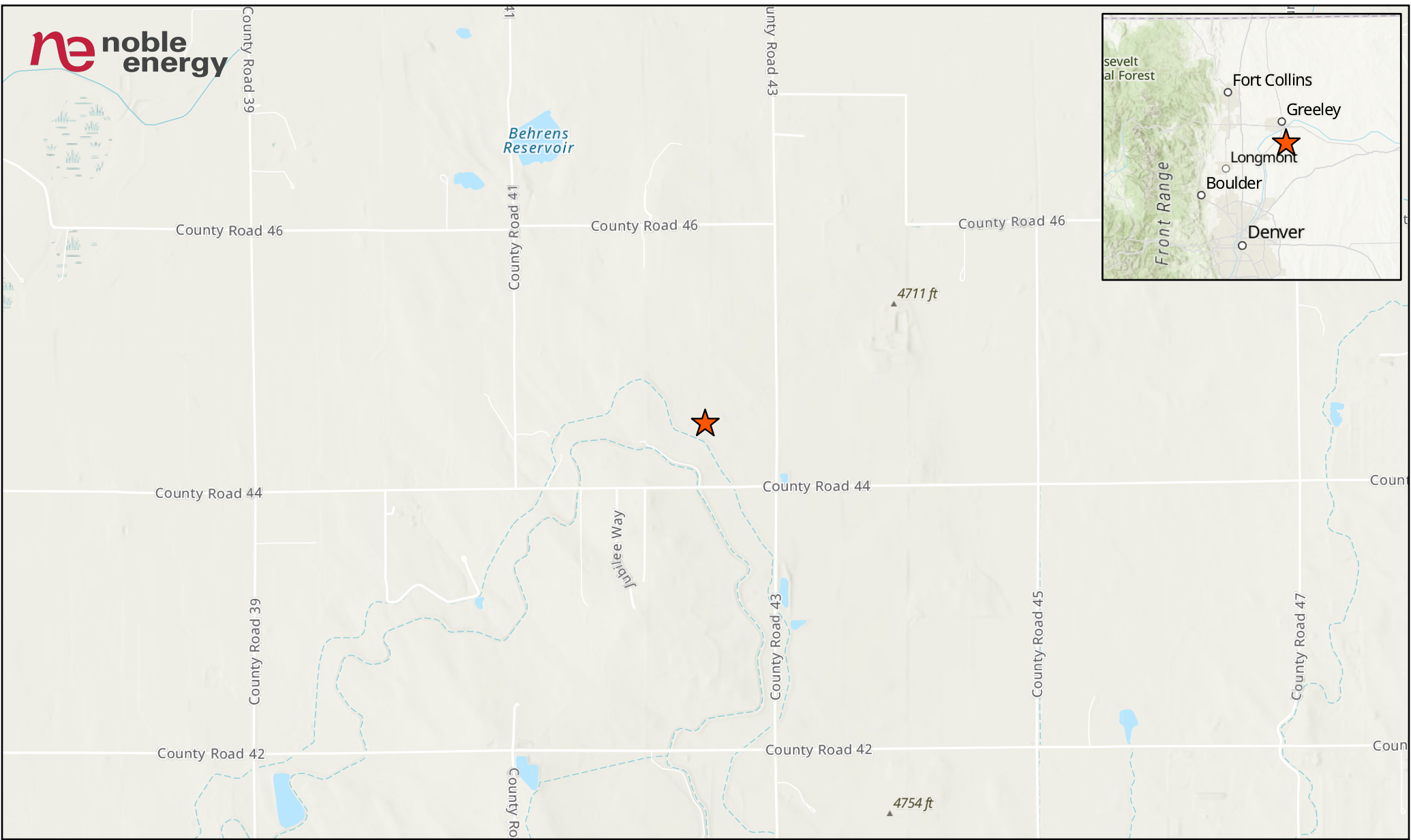
**Table 5 – Soil Analytical Results Summary Table – Metals**

**Attachment A: Photographic Log**

**Attachment B: Facility Closure Checklists**

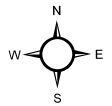
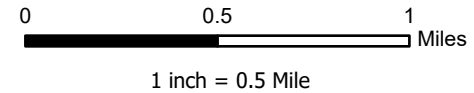
**Attachment C: Laboratory Analytical Reports**

## **FIGURES**



**LEGEND**

 Site Location



Project No: 024-201

Map By: JW

Date: 06/18/2024

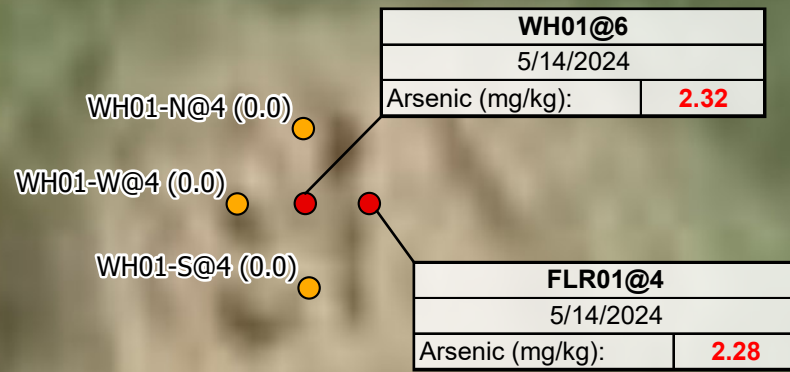
**BRUNTZ G16-23 WELLHEAD  
GENERAL LOCATION MAP**  
NOBLE ENERGY  
SW 1/4 SE 1/4 SECTION 16  
T4N R65W, 6TH PM  
WELD COUNTY, COLORADO



1843 Sunlight Dr.  
Longmont, CO 80504  
303.378.4036

Figure

1



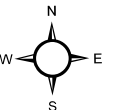
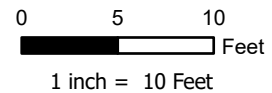
**LABEL LEGEND**  
 XXXX@X: SAMPLE NAME @ DEPTH IN FEET  
 WH: WELLHEAD SAMPLE  
 FLR: FLOWLINE RISER SAMPLE  
**RED**: ABOVE ECMC TABLE 915-1 GWSSL

Maxar, Microsoft

**Legend**

- Soil Sample
- Screening Location

**NOTES:**  
 - Sample Label (PID Result in ppm)  
 - ppm = parts per million  
 - PID = photoionization detector



|                     |   |  |   |        |
|---------------------|---|--|---|--------|
| Project No: 024-201 | <b>BRUNTZ G16-23 WELLHEAD<br/>         SOIL SAMPLE AND FIELD SCREENING LOCATIONS</b><br>NOBLE ENERGY<br>SW 1/4 SE 1/4 SECTION 16<br>T4N R65W, 6TH PM<br>WELD COUNTY, COLORADO |  | 1843 Sunlight Drive<br>Longmont, CO 80504<br>303.378.4036 | Figure |
| Map By: JW          |   |  |   | 2      |
| Date: 06/18/2024    |   |  |   |        |

## **TABLES**

**TABLE 1**  
**FIELD DATA SUMMARY TABLE**  
**NOBLE 100322**  
**BRUNTZ G16-23 WELLHEAD, WELD COUNTY, COLORADO**  
**REM # 32833**

| Sample ID | Sample Date | Depth (ft-bgs) | GPS Data           |             | VOC Concentration (ppm) |
|-----------|-------------|----------------|--------------------|-------------|-------------------------|
|           |             |                | Latitude/Longitude |             |                         |
| WH01@6    | 5/14/2024   | 6              | 40.308760          | -104.663730 | 0.0                     |
| FLR01@4   | 5/14/2024   | 4              | 40.308760          | -104.663718 | 0.0                     |
| WH01-S@4  | 5/14/2024   | 4              | 40.308748          | -104.663729 | 0.0                     |
| WH01-W@4  | 5/14/2024   | 4              | 40.308760          | -104.663743 | 0.0                     |
| WH01-N@4  | 5/14/2024   | 4              | 40.308771          | -104.663730 | 0.0                     |

1. Global Positioning System (GPS) data is provided in decimal degrees using North American Datum (NAD) 83 UTMZone 13 North.

2. Volatile organic compound (VOC) concentrations are measured in the field using a photoionization detector (PID).

ppm = Parts per million

ft-bgs = feet below ground surface

TABLE 2  
SUMMARY OF VOLATILE ORGANIC SOIL CHEMISTRY DATA  
NOBLE 100322  
BRUNTZ G16-23 WELLHEAD, WELD COUNTY, COLORADO  
REM # 32833

| Sample ID   | Sample Date | Depth (ft-bgs) | Benzene (mg/kg) | Toluene (mg/kg) | Ethyl-Benzene (mg/kg) | Xylenes (mg/kg) | 1,2,4-Trimethyl-Benzene (mg/kg) | 1,3,5-Trimethyl-Benzene (mg/kg) | Naphthalene (mg/kg) | TPH (mg/kg) | TPH GRO (mg/kg) | TPH DRO (mg/kg) | TPH ORO (mg/kg) |
|---|-------------|----------------|-----------------|-----------------|-----------------------|-----------------|---------------------------------|---------------------------------|---------------------|-------------|-----------------|-----------------|-----------------|
| ECMC Table 915-1 Limits (Residential SSL)               |             |                | 1.2             | 490             | 5.8                   | 58              | 30                              | 27                              | 2                   | 500         | 500**           |                 |                 |
| ECMC Table 915-1 Limits (Protection of Groundwater SSL) |             |                | 0.0026          | 0.69            | 0.78                  | 9.9             | 0.0081                          | 0.0087                          | 0.0038              | 500         | 500**           |                 |                 |
| WH01@6  | 5/14/2024   | 6              | <0.00200        | <0.00200        | <0.00200              | <0.00200        | <0.00200                        | <0.00200                        | <0.002              | <125.200    | <0.200          | <25.0           | <100            |
| FLR01@4   | 5/14/2024   | 4              | <0.00200        | <0.00200        | <0.00200              | <0.00200        | <0.00200                        | <0.00200                        | <0.002              | <125.200    | <0.200          | <25.0           | <100            |

1. Grey highlighted soil analytical values indicate result is less than laboratory reporting limit

2. \*\* Summation of GRO+DRO+ORO must be less than 500 mg/kg

ft-bgs = feet below ground surface

mg/kg - milligrams per kilogram

TABLE 3  
SUMMARY OF POLYCYCLIC AROMATIC HYDROCARBON SOIL CHEMISTRY DATA  
NOBLE 100322  
BRUNTZ G16-23 WELLHEAD, WELD COUNTY, COLORADO  
REM # 32833

| Sample ID   | Sample Date | Depth (ft-bgs) | Acenaphthene (mg/kg) | Anthracene (mg/kg) | Benzo (a) Anthracene (mg/kg) | Benzo (a) Pyrene (mg/kg) | Benzo (b) Fluoranthene (mg/kg) | Benzo (k) Fluoranthene (mg/kg) | Chrysene (mg/kg) | Dibenzo (a,h) Anthracene (mg/kg) | Fluoranthene (mg/kg) | Fluorene (mg/kg) | Indeno (1,2,3-cd) Pyrene (mg/kg) | Pyrene (mg/kg) | 1-Methyl - Naphthalene (mg/kg) | 2-Methyl - Naphthalene (mg/kg) |
|---|-------------|----------------|----------------------|--------------------|------------------------------|--------------------------|--------------------------------|--------------------------------|------------------|----------------------------------|----------------------|------------------|----------------------------------|----------------|--------------------------------|--------------------------------|
| ECMC Table 915-1 Limits (Residential SSL)               |             |                | 360                  | 1800               | 1.1                          | 0.11                     | 1.1                            | 11                             | 110              | 0.11                             | 240                  | 240              | 1.1                              | 180            | 18                             | 24                             |
| ECMC Table 915-1 Limits (Protection of Groundwater SSL) |             |                | 0.55                 | 5.8                | 0.011                        | 0.24                     | 0.3                            | 2.9                            | 9                | 0.096                            | 8.9                  | 0.54             | 0.98                             | 1.3            | 0.006                          | 0.019                          |
| WH01@6  | 5/14/2024   | 6              | <0.020               | <0.020             | <0.005                       | <0.020                   | <0.020                         | <0.020                         | <0.020           | <0.020                           | <0.020               | <0.020           | <0.020                           | <0.020         | <0.002                         | <0.002                         |
| FLR01@4   | 5/14/2024   | 4              | <0.020               | <0.020             | <0.005                       | <0.020                   | <0.020                         | <0.020                         | <0.020           | <0.020                           | <0.020               | <0.020           | <0.020                           | <0.020         | <0.002                         | <0.002                         |

1. Grey highlighted soil analytical values indicate result is less than laboratory reporting limit

ft-bgs = feet below ground surface

mg/kg - milligrams per kilogram

**TABLE 4**  
**SUMMARY OF SOIL SUITABILITY FOR RECLAMATION**  
**NOBLE 100322**  
**BRUNTZ G16-23 WELLHEAD, WELD COUNTY, COLORADO**  
**REM # 32833**

| Sample ID                                | Sample Date | Depth (ft-bgs) | pH<br>(Standard<br>Units) | EC<br>(mmhos/cm) | SAR<br>(Standard<br>Units) | Boron<br>(mg/L) |
|--|-------------|----------------|---------------------------|------------------|----------------------------|-----------------|
| ECMC Table 915-1 Soil Suitability Limits |             |                | 6 - 8.3                   | <4               | <6                         | 2               |
| WH01@6                                   | 5/14/2024   | 6              | 8.19                      | 0.624            | 1.81                       | 0.272           |
| FLR01@4                                  | 5/14/2024   | 4              | 8.24                      | 0.376            | 0.999                      | 0.266           |

ft-bgs = feet below ground surface

EC - Electrical Conductivity

SAR - Sodium adsorption ratio

mmhos/cm - millimhos per centimeter

mg/L - milligrams per liter

TABLE 5  
SUMMARY OF METALS IN SOIL CHEMISTRY DATA  
NOBLE 100322  
BRUNTZ G16-23 WELLHEAD, WELD COUNTY, COLORADO  
REM # 32833

| Sample ID   | Sample Date | Depth (ft-bgs) | Arsenic (mg/kg) | Barium (mg/kg) | Cadmium (mg/kg) | Chromium (VI) (mg/kg) | Copper (mg/kg) | Lead (mg/kg) | Nickel (mg/kg) | Selenium (mg/kg) | Silver (mg/kg) | Zinc (mg/kg) |
|---|-------------|----------------|-----------------|----------------|-----------------|-----------------------|----------------|--------------|----------------|------------------|----------------|--------------|
| ECMC Table 915-1 Limits (Residential SSL)               |             |                | 0.68            | 15000          | 71              | 0.3                   | 3100           | 400          | 1500           | 390              | 390            | 23000        |
| ECMC Table 915-1 Limits (Protection of Groundwater SSL) |             |                | 0.29            | 82             | 0.38            | 0.00067               | 46             | 14           | 26             | 0.26             | 0.8            | 370          |
| WH01@6  | 5/14/2024   | 6              | 2.32            | 67.6           | 0.118           | <0.176*               | 10.1           | 9.23         | 5.92           | <0.233           | <0.0898        | <33.2        |
| FLR01@4   | 5/14/2024   | 4              | 2.28            | 55.4           | <0.0980         | <0.139*               | <9.80          | 6.08         | 5.36           | <0.255           | <0.0980        | <36.3        |

1. **RED** - Above ECMC Table 915-1 Standards
  2. Red highlighted soil analytical values indicate an exceedance of the referenced soil screening level (SSL)
  3. Grey highlighted soil analytical values indicate result is less than laboratory reporting limit
- \* Indicates laboratory reporting or minimum detection limit in excess of SSL
- ft-bgs = feet below ground surface  
mg/kg - milligrams per kilogram

**ATTACHMENT A  
PHOTOGRAPHIC LOG**

Bruntz G16-23 Wellhead Photographic Log



Bruntz G16-23 Wellhead Photographic Log



Bruntz G16-23 Wellhead Photographic Log



Bruntz G16-23 Wellhead Photographic Log



**ATTACHMENT B  
FACILITY CLOSURE CHECKLISTS**

# Wellhead Closure Checklist

## COGCC Rule 911.a.(4) Environmental Site Closure Assessment Field Form

| Additional attachments (optional):  |                      | Pit Closure                          |  | Tank Battery Closure |  | Flowline Closure             |  | Partially Buried Vault Closure |  |
|---|----------------------|--------------------------------------|--|----------------------|--|------------------------------|--|--------------------------------|--|
| Site Name & COGCC Facility Number:<br>Bruntz G16-23, 287163   |                      | Date:<br>05/14/2024                  |  |                      |  | Remediation Project #: 32833 |  |                                |  |
| Associated Wells:<br>NA   |                      | Age of Site:<br>12/05/2006-spud date |  |                      |  | Number of Photos Attached: 4 |  |                                |  |
| Location: (GPS coordinates of wellhead or southeastern most wellhead for multiple)<br>40.308760 / -104.663730   |                      |                                      |  |                      |  |                              | Estimated Facility Size (acres): ~0.01 |                                |  |
| General Condition of Site: (General observations regarding housekeeping, corrosion, waste management, etc.)<br><br>Overall good   |                      |                                      |  |                      |  |                              |  |                                |  |
| USCS Soil Type: Silty Sand (SM)   |                      |                                      |  |                      | Estimated Depth to Groundwater: Unknown as none encountered  |                              |  |                                |  |
| Hydrocarbon Impacted Soils / Spills: (Note estimated size and if impact appears to be surficial or extends to an unknown depth)<br><br>None observed or encountered   |                      |                                      |  |                      |  |                              |  |                                |  |
| Salt Crusted Soils or Impacted Vegetation: (Note estimated size and if impact appears to be surficial or extends to an unknown depth)<br><br>None observed or encountered   |                      |                                      |  |                      |  |                              |  |                                |  |
| Wellhead(s)   |                      |                                      |  |                      |  |                              |  |                                |  |
| Well API  | 05-123-27394         |                                      |  |                      |  |                              |  |                                |  |
| Age   | 12/05/2006-spud date |                                      |  |                      |  |                              |  |                                |  |
| Condition of surface around wellhead  | Good                 |                                      |  |                      |  |                              |  |                                |  |
| PID Readings  | 0.0 ppm              |                                      |  |                      |  |                              |  |                                |  |
| Condition of subsurface (staining present)  | Good                 |                                      |  |                      |  |                              |  |                                |  |
| PID Readings  | 0.0 ppm              |                                      |  |                      |  |                              |  |                                |  |
| Sample taken? Location/Sample ID#   | WH01@6, FLR01@4      |                                      |  |                      |  |                              |  |                                |  |
| Photo Number(s)   | 1-4                  |                                      |  |                      |  |                              |  |                                |  |
| Other observations regarding wellheads:   |                      |                                      |  |                      |  |                              |  |                                |  |
| Summary   |                      |                                      |  |                      |  |                              |  |                                |  |
| Was impacted soil identified?<br><input checked="" type="checkbox"/> No      Yes - less than 10 cubic yards      Yes - more than 10 cubic yards   |                      |                                      |  |                      |  |                              |  |                                |  |
| Total number of samples field screened: 5   |                      |                                      |  |                      | Total number of samples collected: 5                         |                              |  |                                |  |
| Highest PID Reading: 0.0 ppm  |                      |                                      |  |                      | Total number of samples submitted to lab for analysis: 2     |                              |  |                                |  |
| If more than 10 cubic yards of impacted soil were observed:   |                      |                                      |  |                      |  |                              |  |                                |  |
| Vertical extent:  |                      |                                      |  |                      | Estimated spill volume:                                      |                              |  |                                |  |
| Lateral extent:   |                      |                                      |  |                      | Volume of soil removed:                                      |                              |  |                                |  |
| Is additional investigation required?   |                      |                                      |  |                      |  |                              |  |                                |  |
| Was groundwater encountered during the investigation?<br><input checked="" type="checkbox"/> No      Yes - not impacted or in contact with impacted soils      Yes - groundwater impacted and/or in contact with impacted soils |                      |                                      |  |                      |  |                              |  |                                |  |
| Measured depth to groundwater:  |                      |                                      |  |                      | Was remedial groundwater removal conducted?      Yes      No |                              |  |                                |  |
| Date Groundwater was encountered:   |                      |                                      |  |                      | Commencement date of removal:                                |                              |  |                                |  |
| Sheen on groundwater?      Yes      No  |                      |                                      |  |                      | Volume of groundwater removed prior to sampling:             |                              |  |                                |  |
| Free product observed?      Yes      No   |                      |                                      |  |                      | Volume of groundwater removed post sampling:                 |                              |  |                                |  |
| Total number of samples collected:  |                      |                                      |  |                      | Total Volume of groundwater removed:                         |                              |  |                                |  |
| Total number of samples submitted to lab for analysis:  |                      |                                      |  |                      |  |                              |  |                                |  |

**ATTACHMENT C  
LABORATORY ANALYTICAL REPORTS**

June 03, 2024

**Entrada Consulting Group**

**Chelsea Veryser**

**330 Grand Ave. Unit C**

**Grand Junction CO 81501**

**Project Name - Chevron - Bruntz G16-23**

**Project Number - [none]**

Attached are your analytical results for Chevron - Bruntz G16-23 received by Origins Laboratory, Inc. May 14, 2024. This project is associated with Origins project number Y405464-01.

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



Entrada Consulting Group  
330 Grand Ave. Unit C  
Grand Junction CO 81501

Chelsea Veryser  
Project Number: [none]  
Project: Chevron - Bruntz G16-23

CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled       | Date Received    |
|-----------|---------------|--------|--------------------|------------------|
| WH01@6    | Y405464-01    | Soil   | May 14, 2024 13:00 | 05/14/2024 17:26 |
| FLR01@4   | Y405464-02    | Soil   | May 14, 2024 13:05 | 05/14/2024 17:26 |

Origins Laboratory, Inc.



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Entrada Consulting Group  
 330 Grand Ave. Unit C  
 Grand Junction CO 81501

Chelsea Verysen  
 Project Number: [none]  
 Project: Chevron - Bruntz G16-23

www.originslaboratory.com  
 Bill to Chevron Y405464 Page 1 of 1  
 (Dusty Smith)

**ORIGINS**  
 LABORATORY, INC

Client: Entrada  
 Project Manager: Chelsea Verysen  
 Address: \_\_\_\_\_  
 Project Name: Bruntz G16-23  
 Project Number: Bruntz G16-23  
 Telephone Number: 303-319-8703  
 Email Address: Entrada Distribution CC: RBYE4F27@chevron.com  
 Samples Collected By: Jean Lehner

| Sample ID Description               | Date Sampled         | Time Sampled       | # of Containers                 | Preservative         |                    |   |       | Matrix      |      |             | Analysis |       | Sample Instructions |       |      |
|-------------------------------------|----------------------|--------------------|---------------------------------|----------------------|--------------------|---|-------|-------------|------|-------------|----------|-------|---------------------|-------|------|
|                                     |                      |                    |                                 | Unpreserved          | HCl                | HNO <sub>3</sub>  | Other | Groundwater | Soil | Air Summa # | Other    | Date: |                     | Time: |      |
| W40106                              | 5/14/24              | 1300               | 2                               | X                    |                    |   |       | X           |      |             |          | X     | Table 915           | 1     |      |
| W40104                              |                      | 1305               |                                 |                      |                    |   |       |             |      |             |          | X     |                     | 2     |      |
| W401-N@4                            |                      | 1316               |                                 |                      |                    |   |       |             |      |             |          |       |                     | 3     | Hold |
| W401-L@4                            |                      | 1315               |                                 |                      |                    |   |       |             |      |             |          |       |                     | 4     | Hold |
| W401-S@4                            |                      | 1322               |                                 |                      |                    |   |       |             |      |             |          |       |                     | 5     | Hold |
|                                     |                      |                    |                                 |                      |                    |   |       |             |      |             |          |       |                     | 6     |      |
|                                     |                      |                    |                                 |                      |                    |   |       |             |      |             |          |       |                     | 7     |      |
|                                     |                      |                    |                                 |                      |                    |   |       |             |      |             |          |       |                     | 8     |      |
|                                     |                      |                    |                                 |                      |                    |   |       |             |      |             |          |       |                     | 9     |      |
|                                     |                      |                    |                                 |                      |                    |   |       |             |      |             |          |       |                     | 10    |      |
| Relinquished By: <u>[Signature]</u> | Date: <u>5/14/24</u> | Time: <u>1430</u>  | Received By: <u>SA</u>          | Date: <u>5/14/24</u> | Time: <u>14:30</u> | Turnaround Time: <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input checked="" type="checkbox"/> Standard |       |             |      |             |          |       |                     |       |      |
| Relinquished By: <u>SA</u>          | Date: <u>5/14/24</u> | Time: <u>17:26</u> | Received By: <u>[Signature]</u> | Date: <u>5/14/24</u> | Time: <u>17:26</u> |   |       |             |      |             |          |       |                     |       |      |

Temp Received: 74.9  
 Date Results Needed: \_\_\_\_\_

Origins Laboratory, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Entrada Consulting Group  
 330 Grand Ave. Unit C  
 Grand Junction CO 81501

Chelsea Veryser  
 Project Number: [none]  
 Project: Chevron - Bruntz G16-23

Origins Laboratory

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

**Sample Receipt Checklist**

Origins Work Order: 1405464 Client: Entrada  
 Client Project ID: Bruntz-Gill-23  
 Checklist Completed by: JW/ETH Shipped Via: TIV  
 Date/time completed: 5/15/24 (UPS, FedEx, Hand Delivered, Pick-up, etc.)  
 Airbill #: N/A  
 Matrix(s) Received: (Check all that apply):  Soil/Solid  Water  Other: \_\_\_\_\_  
 Cooler Number/Temperature: 1/24.9 °C \_\_\_\_\_ °C \_\_\_\_\_ °C \_\_\_\_\_ °C (Describe)  
 Thermometer ID: 7005

| Requirement Description   | Yes                                 | No                                  | N/A                                 | Comments (if any) |
|---|-------------------------------------|-------------------------------------|-------------------------------------|-------------------|
| If samples require cooling, was the temperature between 0°C to ≤ 6°C <sup>(1)</sup> ?   |                                     | <input checked="" type="checkbox"/> |                                     | <u>SO</u>         |
| 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 <sup>(1)</sup> ?   | <input checked="" type="checkbox"/> |                                     |                                     |                   |
| Was adequate sample volume provided <sup>(1)</sup> ?  | <input checked="" type="checkbox"/> |                                     |                                     |                   |
| Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?  |                                     | <input checked="" type="checkbox"/> |                                     |                   |
| Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?  | <input checked="" type="checkbox"/> |                                     |                                     |                   |
| Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?   | <input checked="" type="checkbox"/> |                                     |                                     |                   |
| Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?   | <input checked="" type="checkbox"/> |                                     |                                     |                   |
| Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?   | <input checked="" type="checkbox"/> |                                     |                                     |                   |
| For volatiles in water – is there headspace (> ¼ inch bubble) present? <b>If yes, contact client and note in narrative.</b>   | <input checked="" type="checkbox"/> |                                     | <input checked="" type="checkbox"/> |                   |
| Are samples preserved that require preservation and was it checked <sup>(1)</sup> ? (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 HNO <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ) / (pH >10 for samples preserved with NaAsO <sub>2</sub> +NaOH, ZnAc+NaOH) |                                     |                                     | <input checked="" type="checkbox"/> |                   |
| Additional Comments (if any):   |                                     |                                     |                                     |                   |

<sup>(1)</sup>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)

5/16/24  
 Date/Time Reviewed

Origins Laboratory, Inc.



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Entrada Consulting Group  
 330 Grand Ave. Unit C  
 Grand Junction CO 81501

Chelsea Veryser  
 Project Number: [none]  
 Project: Chevron - Bruntz G16-23

WH01@6

5/14/2024 1:00:00PM

| Analyte | Result | Min Detection Limit | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|---------------------|-----------------|-------|----------|-------|----------|----------|-------|
|---------|--------|---------------------|-----------------|-------|----------|-------|----------|----------|-------|

**Origins Laboratory, Inc.**  
 Y405464-01 (Soil)

**Boron (DTPA Sorbitol)**

|       |       |  |        |      |   |         |            |            |  |
|-------|-------|--|--------|------|---|---------|------------|------------|--|
| Boron | 0.272 |  | 0.0995 | mg/L | 1 | B4E2025 | 05/20/2024 | 05/22/2024 |  |
|-------|-------|--|--------|------|---|---------|------------|------------|--|

**DRO/ORO by EPA 8015D**

|                                   |    |  |      |       |   |         |            |            |    |
|-----------------------------------|----|--|------|-------|---|---------|------------|------------|----|
| Diesel (C10-C28)                  | ND |  | 25.0 | mg/kg | 1 | B4E1638 | 05/16/2024 | 05/20/2024 | Ua |
| Residual Range Organics (C28-C40) | ND |  | 100  | "     | " | "       | "          | "          | Ua |

|                        |        |  |        |  |  |   |   |   |  |
|------------------------|--------|--|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 87.6 % |  | 50-150 |  |  | " | " | " |  |
|------------------------|--------|--|--------|--|--|---|---|---|--|

**GBTEX+TMBs by 8260D**

|                             |    |  |         |       |   |         |            |            |    |
|-----------------------------|----|--|---------|-------|---|---------|------------|------------|----|
| 1,2,4-Trimethylbenzene      | ND |  | 0.00200 | mg/kg | 1 | B4E1523 | 05/15/2024 | 05/16/2024 | Ua |
| 1,3,5-Trimethylbenzene      | ND |  | 0.00200 | "     | " | "       | "          | "          | Ua |
| Benzene                     | ND |  | 0.00200 | "     | " | "       | "          | "          | Ua |
| Ethylbenzene                | ND |  | 0.00200 | "     | " | "       | "          | "          | Ua |
| Toluene                     | ND |  | 0.00200 | "     | " | "       | "          | "          | Ua |
| Xylenes, total              | ND |  | 0.00200 | "     | " | "       | "          | "          | Ua |
| Gasoline Range Hydrocarbons | ND |  | 0.200   | "     | " | "       | "          | "          | Ua |

|                                  |       |  |        |  |  |   |   |   |  |
|----------------------------------|-------|--|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 103 % |  | 70-130 |  |  | " | " | " |  |
|----------------------------------|-------|--|--------|--|--|---|---|---|--|

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Entrada Consulting Group  
 330 Grand Ave. Unit C  
 Grand Junction CO 81501

Chelsea Veryser  
 Project Number: [none]  
 Project: Chevron - Bruntz G16-23

WH01@6

5/14/2024 1:00:00PM

| Analyte | Result | Min Detection Limit | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|---------------------|-----------------|-------|----------|-------|----------|----------|-------|
|---------|--------|---------------------|-----------------|-------|----------|-------|----------|----------|-------|

**Origins Laboratory, Inc.**  
 Y405464-01 (Soil)

**GBTEX+TMBs by 8260D**

|                                 |        |  |        |  |  |             |            |            |  |
|---------------------------------|--------|--|--------|--|--|-------------|------------|------------|--|
| Surrogate: Toluene-d8           | 99.9 % |  | 70-130 |  |  | B4E15<br>23 | 05/15/2024 | 05/16/2024 |  |
| Surrogate: 4-Bromofluorobenzene | 108 %  |  | 70-130 |  |  | "           | "          | "          |  |

**Metals by Saturated Paste by EPA 6010**

|           |      |  |       |       |    |        |            |            |  |
|-----------|------|--|-------|-------|----|--------|------------|------------|--|
| Calcium   | 2.12 |  | 0.499 | meq/L | 10 | [CALC] | 05/17/2024 | 05/21/2024 |  |
| Magnesium | ND   |  | 0.823 | "     | "  | "      | "          | "          |  |
| Sodium    | 2.16 |  | 0.435 | "     | "  | "      | "          | "          |  |

**PAH by EPA 8270E**

|                         |    |  |       |       |   |         |            |            |    |
|-------------------------|----|--|-------|-------|---|---------|------------|------------|----|
| 1-Methylnaphthalene     | ND |  | 0.002 | mg/kg | 1 | B4E1635 | 05/16/2024 | 05/18/2024 | Ua |
| 2-Methylnaphthalene     | ND |  | 0.002 | "     | " | "       | "          | "          | Ua |
| Acenaphthene            | ND |  | 0.020 | "     | " | "       | "          | "          | Ua |
| Anthracene              | ND |  | 0.020 | "     | " | "       | "          | "          | Ua |
| Benzo (a) anthracene    | ND |  | 0.005 | "     | " | "       | "          | "          | Ua |
| Benzo (a) pyrene        | ND |  | 0.020 | "     | " | "       | "          | "          | Ua |
| Benzo (b) fluoranthene  | ND |  | 0.020 | "     | " | "       | "          | "          | Ua |
| Benzo (k) fluoranthene  | ND |  | 0.020 | "     | " | "       | "          | "          | Ua |
| Chrysene                | ND |  | 0.020 | "     | " | "       | "          | "          | Ua |
| Dibenz (a,h) anthracene | ND |  | 0.020 | "     | " | "       | "          | "          | Ua |
| Fluoranthene            | ND |  | 0.020 | "     | " | "       | "          | "          | Ua |

Origins Laboratory, Inc.



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Entrada Consulting Group  
 330 Grand Ave. Unit C  
 Grand Junction CO 81501

Chelsea Veryser  
 Project Number: [none]  
 Project: Chevron - Bruntz G16-23

WH01@6

5/14/2024 1:00:00PM

| Analyte | Result | Min Detection Limit | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|---------------------|-----------------|-------|----------|-------|----------|----------|-------|
|---------|--------|---------------------|-----------------|-------|----------|-------|----------|----------|-------|

**Origins Laboratory, Inc.**  
 Y405464-01 (Soil)

**PAH by EPA 8270E**

|                          |    |  |       |       |   |         |            |            |    |
|--------------------------|----|--|-------|-------|---|---------|------------|------------|----|
| Fluorene                 | ND |  | 0.020 | mg/kg | 1 | B4E1635 | 05/16/2024 | 05/18/2024 | Ua |
| Indeno (1,2,3-cd) pyrene | ND |  | 0.020 | "     | " | "       | "          | "          | Ua |
| Naphthalene              | ND |  | 0.002 | "     | " | "       | "          | "          | Ua |
| Pyrene                   | ND |  | 0.020 | "     | " | "       | "          | "          | Ua |

|                                 |        |  |        |  |  |   |   |   |  |
|---------------------------------|--------|--|--------|--|--|---|---|---|--|
| Surrogate: Fluorene-d10         | 101 %  |  | 60-130 |  |  | " | " | " |  |
| Surrogate: Anthracene-d10       | 97.7 % |  | 60-130 |  |  | " | " | " |  |
| Surrogate: Pyrene-d10           | 101 %  |  | 60-130 |  |  | " | " | " |  |
| Surrogate: Benzo (a) pyrene-d12 | 96.4 % |  | 60-130 |  |  | " | " | " |  |

**pH in Soil by 9045D**

|    |      |  |  |          |   |         |            |            |  |
|----|------|--|--|----------|---|---------|------------|------------|--|
| pH | 8.19 |  |  | pH Units | 1 | B4E1725 | 05/17/2024 | 05/21/2024 |  |
|----|------|--|--|----------|---|---------|------------|------------|--|

**SAR by 20B Saturated Paste**

|     |      |  |        |     |   |         |            |            |  |
|-----|------|--|--------|-----|---|---------|------------|------------|--|
| SAR | 1.81 |  | 0.0100 | SAR | 1 | B4E1719 | 05/17/2024 | 05/21/2024 |  |
|-----|------|--|--------|-----|---|---------|------------|------------|--|

**Specific Conductance Mod. 9050A**

|                           |       |  |         |          |   |         |            |            |  |
|---------------------------|-------|--|---------|----------|---|---------|------------|------------|--|
| Specific Conductance (EC) | 0.624 |  | 0.00500 | mmhos/cm | 1 | B4E1725 | 05/17/2024 | 05/21/2024 |  |
|---------------------------|-------|--|---------|----------|---|---------|------------|------------|--|

**Table 915 metals by EPA 6020B**

Origins Laboratory, Inc.



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Entrada Consulting Group  
 330 Grand Ave. Unit C  
 Grand Junction CO 81501

Chelsea Veryser  
 Project Number: [none]  
 Project: Chevron - Bruntz G16-23

WH01@6

5/14/2024 1:00:00PM

| Analyte | Result | Min Detection Limit | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|---------------------|-----------------|-------|----------|-------|----------|----------|-------|
|---------|--------|---------------------|-----------------|-------|----------|-------|----------|----------|-------|

**Origins Laboratory, Inc.**  
 Y405464-01 (Soil)

**Table 915 metals by EPA 6020B**

|          |       |  |        |       |    |         |            |            |  |
|----------|-------|--|--------|-------|----|---------|------------|------------|--|
| Arsenic  | 2.32  |  | 0.260  | mg/kg | 10 | B4E1527 | 05/15/2024 | 05/18/2024 |  |
| Barium   | 67.6  |  | 8.98   | "     | "  | "       | "          | "          |  |
| Cadmium  | 0.118 |  | 0.0898 | "     | "  | "       | "          | "          |  |
| Copper   | 10.1  |  | 8.98   | "     | "  | "       | "          | "          |  |
| Lead     | 9.23  |  | 0.898  | "     | "  | "       | "          | "          |  |
| Nickel   | 5.92  |  | 0.898  | "     | "  | "       | "          | "          |  |
| Selenium | ND    |  | 0.233  | "     | "  | "       | "          | "          |  |
| Silver   | ND    |  | 0.0898 | "     | "  | "       | "          | "          |  |
| Zinc     | ND    |  | 33.2   | "     | "  | "       | "          | "          |  |

**Total Metals by 7196A**

|                     |    |       |       |           |   |         |            |            |   |
|---------------------|----|-------|-------|-----------|---|---------|------------|------------|---|
| Hexavalent Chromium | ND | 0.176 | 0.439 | mg/kg dry | 1 | 2617121 | 05/25/2024 | 05/28/2024 | U |
|---------------------|----|-------|-------|-----------|---|---------|------------|------------|---|

Origins Laboratory, Inc.



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Entrada Consulting Group  
 330 Grand Ave. Unit C  
 Grand Junction CO 81501

Chelsea Veryser  
 Project Number: [none]  
 Project: Chevron - Bruntz G16-23

FLR01@4

5/14/2024 1:05:00PM

| Analyte | Result | Min Detection Limit | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|---------------------|-----------------|-------|----------|-------|----------|----------|-------|
|---------|--------|---------------------|-----------------|-------|----------|-------|----------|----------|-------|

**Origins Laboratory, Inc.**  
**Y405464-02 (Soil)**

**Boron (DTPA Sorbitol)**

|       |       |  |       |      |   |         |            |            |  |
|-------|-------|--|-------|------|---|---------|------------|------------|--|
| Boron | 0.266 |  | 0.101 | mg/L | 1 | B4E2025 | 05/20/2024 | 05/22/2024 |  |
|-------|-------|--|-------|------|---|---------|------------|------------|--|

**DRO/ORO by EPA 8015D**

|                                   |    |  |      |       |   |         |            |            |    |
|-----------------------------------|----|--|------|-------|---|---------|------------|------------|----|
| Diesel (C10-C28)                  | ND |  | 25.0 | mg/kg | 1 | B4E1638 | 05/16/2024 | 05/20/2024 | Ua |
| Residual Range Organics (C28-C40) | ND |  | 100  | "     | " | "       | "          | "          | Ua |

|                        |        |  |        |  |  |   |   |   |  |
|------------------------|--------|--|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 92.2 % |  | 50-150 |  |  | " | " | " |  |
|------------------------|--------|--|--------|--|--|---|---|---|--|

**GBTEX+TMBs by 8260D**

|                             |    |  |         |       |   |         |            |            |    |
|-----------------------------|----|--|---------|-------|---|---------|------------|------------|----|
| 1,2,4-Trimethylbenzene      | ND |  | 0.00200 | mg/kg | 1 | B4E1523 | 05/15/2024 | 05/16/2024 | Ua |
| 1,3,5-Trimethylbenzene      | ND |  | 0.00200 | "     | " | "       | "          | "          | Ua |
| Benzene                     | ND |  | 0.00200 | "     | " | "       | "          | "          | Ua |
| Ethylbenzene                | ND |  | 0.00200 | "     | " | "       | "          | "          | Ua |
| Toluene                     | ND |  | 0.00200 | "     | " | "       | "          | "          | Ua |
| Xylenes, total              | ND |  | 0.00200 | "     | " | "       | "          | "          | Ua |
| Gasoline Range Hydrocarbons | ND |  | 0.200   | "     | " | "       | "          | "          | Ua |

|                                  |       |  |        |  |  |   |   |   |  |
|----------------------------------|-------|--|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 102 % |  | 70-130 |  |  | " | " | " |  |
|----------------------------------|-------|--|--------|--|--|---|---|---|--|

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Entrada Consulting Group  
 330 Grand Ave. Unit C  
 Grand Junction CO 81501

Chelsea Veryser  
 Project Number: [none]  
 Project: Chevron - Bruntz G16-23

FLR01@4

5/14/2024 1:05:00PM

| Analyte | Result | Min Detection Limit | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|---------------------|-----------------|-------|----------|-------|----------|----------|-------|
|---------|--------|---------------------|-----------------|-------|----------|-------|----------|----------|-------|

**Origins Laboratory, Inc.**  
 Y405464-02 (Soil)

**GBTEX+TMBs by 8260D**

|                                 |       |  |        |  |  |             |            |            |  |
|---------------------------------|-------|--|--------|--|--|-------------|------------|------------|--|
| Surrogate: Toluene-d8           | 100 % |  | 70-130 |  |  | B4E15<br>23 | 05/15/2024 | 05/16/2024 |  |
| Surrogate: 4-Bromofluorobenzene | 108 % |  | 70-130 |  |  | "           | "          | "          |  |

**Metals by Saturated Paste by EPA 6010**

|           |       |  |       |       |    |        |            |            |  |
|-----------|-------|--|-------|-------|----|--------|------------|------------|--|
| Calcium   | 1.00  |  | 0.499 | meq/L | 10 | [CALC] | 05/17/2024 | 05/21/2024 |  |
| Magnesium | ND    |  | 0.823 | "     | "  | "      | "          | "          |  |
| Sodium    | 0.804 |  | 0.435 | "     | "  | "      | "          | "          |  |

**PAH by EPA 8270E**

|                         |    |  |       |       |   |         |            |            |    |
|-------------------------|----|--|-------|-------|---|---------|------------|------------|----|
| 1-Methylnaphthalene     | ND |  | 0.002 | mg/kg | 1 | B4E1635 | 05/16/2024 | 05/18/2024 | Ua |
| 2-Methylnaphthalene     | ND |  | 0.002 | "     | " | "       | "          | "          | Ua |
| Acenaphthene            | ND |  | 0.020 | "     | " | "       | "          | "          | Ua |
| Anthracene              | ND |  | 0.020 | "     | " | "       | "          | "          | Ua |
| Benzo (a) anthracene    | ND |  | 0.005 | "     | " | "       | "          | "          | Ua |
| Benzo (a) pyrene        | ND |  | 0.020 | "     | " | "       | "          | "          | Ua |
| Benzo (b) fluoranthene  | ND |  | 0.020 | "     | " | "       | "          | "          | Ua |
| Benzo (k) fluoranthene  | ND |  | 0.020 | "     | " | "       | "          | "          | Ua |
| Chrysene                | ND |  | 0.020 | "     | " | "       | "          | "          | Ua |
| Dibenz (a,h) anthracene | ND |  | 0.020 | "     | " | "       | "          | "          | Ua |
| Fluoranthene            | ND |  | 0.020 | "     | " | "       | "          | "          | Ua |

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Entrada Consulting Group  
 330 Grand Ave. Unit C  
 Grand Junction CO 81501

Chelsea Veryser  
 Project Number: [none]  
 Project: Chevron - Bruntz G16-23

FLR01@4

5/14/2024 1:05:00PM

| Analyte | Result | Min Detection Limit | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|---------------------|-----------------|-------|----------|-------|----------|----------|-------|
|---------|--------|---------------------|-----------------|-------|----------|-------|----------|----------|-------|

**Origins Laboratory, Inc.**  
 Y405464-02 (Soil)

**PAH by EPA 8270E**

|                          |    |  |       |       |   |         |            |            |    |
|--------------------------|----|--|-------|-------|---|---------|------------|------------|----|
| Fluorene                 | ND |  | 0.020 | mg/kg | 1 | B4E1635 | 05/16/2024 | 05/18/2024 | Ua |
| Indeno (1,2,3-cd) pyrene | ND |  | 0.020 | "     | " | "       | "          | "          | Ua |
| Naphthalene              | ND |  | 0.002 | "     | " | "       | "          | "          | Ua |
| Pyrene                   | ND |  | 0.020 | "     | " | "       | "          | "          | Ua |

|                                 |        |  |        |  |  |   |   |   |  |
|---------------------------------|--------|--|--------|--|--|---|---|---|--|
| Surrogate: Fluorene-d10         | 100 %  |  | 60-130 |  |  | " | " | " |  |
| Surrogate: Anthracene-d10       | 94.1 % |  | 60-130 |  |  | " | " | " |  |
| Surrogate: Pyrene-d10           | 104 %  |  | 60-130 |  |  | " | " | " |  |
| Surrogate: Benzo (a) pyrene-d12 | 96.1 % |  | 60-130 |  |  | " | " | " |  |

**pH in Soil by 9045D**

|    |      |  |  |          |   |         |            |            |  |
|----|------|--|--|----------|---|---------|------------|------------|--|
| pH | 8.24 |  |  | pH Units | 1 | B4E1725 | 05/17/2024 | 05/21/2024 |  |
|----|------|--|--|----------|---|---------|------------|------------|--|

**SAR by 20B Saturated Paste**

|     |       |  |        |     |   |         |            |            |  |
|-----|-------|--|--------|-----|---|---------|------------|------------|--|
| SAR | 0.999 |  | 0.0100 | SAR | 1 | B4E1719 | 05/17/2024 | 05/21/2024 |  |
|-----|-------|--|--------|-----|---|---------|------------|------------|--|

**Specific Conductance Mod. 9050A**

|                           |       |  |         |          |   |         |            |            |  |
|---------------------------|-------|--|---------|----------|---|---------|------------|------------|--|
| Specific Conductance (EC) | 0.376 |  | 0.00500 | mmhos/cm | 1 | B4E1725 | 05/17/2024 | 05/21/2024 |  |
|---------------------------|-------|--|---------|----------|---|---------|------------|------------|--|

**Table 915 metals by EPA 6020B**

Origins Laboratory, Inc.



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Entrada Consulting Group  
 330 Grand Ave. Unit C  
 Grand Junction CO 81501

Chelsea Veryser  
 Project Number: [none]  
 Project: Chevron - Bruntz G16-23

FLR01@4

5/14/2024 1:05:00PM

| Analyte | Result | Min Detection Limit | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|---------------------|-----------------|-------|----------|-------|----------|----------|-------|
|---------|--------|---------------------|-----------------|-------|----------|-------|----------|----------|-------|

**Origins Laboratory, Inc.**  
 Y405464-02 (Soil)

**Table 915 metals by EPA 6020B**

|          |      |        |        |       |    |         |            |            |  |
|----------|------|--------|--------|-------|----|---------|------------|------------|--|
| Arsenic  | 2.28 | 0.284  | 0.284  | mg/kg | 10 | B4E1527 | 05/15/2024 | 05/18/2024 |  |
| Barium   | 55.4 | 9.80   | 9.80   | "     | "  | "       | "          | "          |  |
| Cadmium  | ND   | 0.0980 | 0.0980 | "     | "  | "       | "          | "          |  |
| Copper   | ND   | 9.80   | 9.80   | "     | "  | "       | "          | "          |  |
| Lead     | 6.08 | 0.980  | 0.980  | "     | "  | "       | "          | "          |  |
| Nickel   | 5.36 | 0.980  | 0.980  | "     | "  | "       | "          | "          |  |
| Selenium | ND   | 0.255  | 0.255  | "     | "  | "       | "          | "          |  |
| Silver   | ND   | 0.0980 | 0.0980 | "     | "  | "       | "          | "          |  |
| Zinc     | ND   | 36.3   | 36.3   | "     | "  | "       | "          | "          |  |

**Total Metals by 7196A**

|                     |    |       |       |           |   |         |            |            |   |
|---------------------|----|-------|-------|-----------|---|---------|------------|------------|---|
| Hexavalent Chromium | ND | 0.139 | 0.347 | mg/kg dry | 1 | 2617121 | 05/25/2024 | 05/28/2024 | U |
|---------------------|----|-------|-------|-----------|---|---------|------------|------------|---|

Origins Laboratory, Inc.



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Entrada Consulting Group  
 330 Grand Ave. Unit C  
 Grand Junction CO 81501

Chelsea Veryser  
 Project Number: [none]  
 Project: Chevron - Bruntz G16-23

**Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control**  
**Origins Laboratory, Inc.**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch B4E1523 - EPA 5030 (soil)**

**Blank (B4E1523-BLK1)**

Prepared: 05/15/2024 Analyzed: 05/15/2024

|                                  |      |         |       |       |  |      |        |  |  |    |
|----------------------------------|------|---------|-------|-------|--|------|--------|--|--|----|
| 1,2,4-Trimethylbenzene           | ND   | 0.00200 | mg/kg |       |  |      |        |  |  | Ua |
| 1,3,5-Trimethylbenzene           | ND   | 0.00200 | "     |       |  |      |        |  |  | Ua |
| Benzene                          | ND   | 0.00200 | "     |       |  |      |        |  |  | Ua |
| Ethylbenzene                     | ND   | 0.00200 | "     |       |  |      |        |  |  | Ua |
| Naphthalene                      | ND   | 0.00380 | "     |       |  |      |        |  |  | Ua |
| Toluene                          | ND   | 0.00200 | "     |       |  |      |        |  |  | Ua |
| Xylenes, total                   | ND   | 0.00200 | "     |       |  |      |        |  |  | Ua |
| Gasoline Range Hydrocarbons      | ND   | 0.200   | "     |       |  |      |        |  |  | Ua |
| Surrogate: 1,2-Dichloroethane-d4 | 0.12 |         | "     | 0.125 |  | 95.6 | 70-130 |  |  |    |
| Surrogate: Toluene-d8            | 0.13 |         | "     | 0.125 |  | 101  | 70-130 |  |  |    |
| Surrogate: 4-Bromofluorobenzene  | 0.13 |         | "     | 0.125 |  | 107  | 70-130 |  |  |    |

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Entrada Consulting Group  
 330 Grand Ave. Unit C  
 Grand Junction CO 81501

Chelsea Veryser  
 Project Number: [none]  
 Project: Chevron - Bruntz G16-23

**Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control**  
**Origins Laboratory, Inc.**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch B4E1523 - EPA 5030 (soil)**

**LCS (B4E1523-BS1)**

Prepared: 05/15/2024 Analyzed: 05/15/2024

|                                  |        |         |       |       |  |      |        |  |  |  |
|----------------------------------|--------|---------|-------|-------|--|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene           | 0.0941 | 0.00200 | mg/kg | 0.100 |  | 94.1 | 70-130 |  |  |  |
| 1,3,5-Trimethylbenzene           | 0.0986 | 0.00200 | "     | 0.100 |  | 98.6 | 70-130 |  |  |  |
| Benzene                          | 0.0935 | 0.00200 | "     | 0.100 |  | 93.5 | 70-130 |  |  |  |
| Ethylbenzene                     | 0.0920 | 0.00200 | "     | 0.100 |  | 92.0 | 70-130 |  |  |  |
| Naphthalene                      | 0.0989 | 0.00380 | "     | 0.100 |  | 98.9 | 70-130 |  |  |  |
| Toluene                          | 0.0941 | 0.00200 | "     | 0.100 |  | 94.1 | 70-130 |  |  |  |
| o-Xylene                         | 0.0917 | 0.00200 | "     | 0.100 |  | 91.7 | 70-130 |  |  |  |
| m,p-Xylene                       | 0.188  | 0.00400 | "     | 0.200 |  | 93.8 | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.12   |         | "     | 0.125 |  | 98.9 | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 0.12   |         | "     | 0.125 |  | 99.5 | 70-130 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 0.12   |         | "     | 0.125 |  | 94.7 | 70-130 |  |  |  |

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Entrada Consulting Group  
 330 Grand Ave. Unit C  
 Grand Junction CO 81501

Chelsea Veryser  
 Project Number: [none]  
 Project: Chevron - Bruntz G16-23

**Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control**  
**Origins Laboratory, Inc.**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch B4E1523 - EPA 5030 (soil)

| Matrix Spike (B4E1523-MS1)       | Source: Y405447-01 |         |       | Prepared: 05/15/2024 Analyzed: 05/15/2024 |    |      |        |  |  |  |
|----------------------------------|--------------------|---------|-------|---|----|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene           | 0.0965             | 0.00200 | mg/kg | 0.100                                     | ND | 96.5 | 70-130 |  |  |  |
| 1,3,5-Trimethylbenzene           | 0.101              | 0.00200 | "     | 0.100                                     | ND | 101  | 70-130 |  |  |  |
| Benzene                          | 0.0923             | 0.00200 | "     | 0.100                                     | ND | 92.3 | 70-130 |  |  |  |
| Ethylbenzene                     | 0.0955             | 0.00200 | "     | 0.100                                     | ND | 95.5 | 70-130 |  |  |  |
| Naphthalene                      | 0.0841             | 0.00380 | "     | 0.100                                     | ND | 84.1 | 70-130 |  |  |  |
| Toluene                          | 0.0948             | 0.00200 | "     | 0.100                                     | ND | 94.8 | 70-130 |  |  |  |
| o-Xylene                         | 0.0935             | 0.00200 | "     | 0.100                                     | ND | 93.5 | 70-130 |  |  |  |
| m,p-Xylene                       | 0.193              | 0.00400 | "     | 0.200                                     | ND | 96.7 | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.12               |         | "     | 0.125                                     |    | 97.6 | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 0.13               |         | "     | 0.125                                     |    | 101  | 70-130 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 0.12               |         | "     | 0.125                                     |    | 96.1 | 70-130 |  |  |  |

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Entrada Consulting Group  
 330 Grand Ave. Unit C  
 Grand Junction CO 81501

Chelsea Veryser  
 Project Number: [none]  
 Project: Chevron - Bruntz G16-23

**Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control**  
**Origins Laboratory, Inc.**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch B4E1523 - EPA 5030 (soil)**

| Matrix Spike Dup (B4E1523-MSD1)  | Source: Y405447-01 |         |       | Prepared: 05/15/2024 Analyzed: 05/15/2024 |    |      |        |      |    |  |
|----------------------------------|--------------------|---------|-------|---|----|------|--------|------|----|--|
| 1,2,4-Trimethylbenzene           | 0.0917             | 0.00200 | mg/kg | 0.100                                     | ND | 91.7 | 70-130 | 5.17 | 20 |  |
| 1,3,5-Trimethylbenzene           | 0.0948             | 0.00200 | "     | 0.100                                     | ND | 94.8 | 70-130 | 6.75 | 20 |  |
| Benzene                          | 0.0903             | 0.00200 | "     | 0.100                                     | ND | 90.3 | 70-130 | 2.23 | 20 |  |
| Ethylbenzene                     | 0.0890             | 0.00200 | "     | 0.100                                     | ND | 89.0 | 70-130 | 7.04 | 20 |  |
| Naphthalene                      | 0.0878             | 0.00380 | "     | 0.100                                     | ND | 87.8 | 70-130 | 4.38 | 20 |  |
| Toluene                          | 0.0913             | 0.00200 | "     | 0.100                                     | ND | 91.3 | 70-130 | 3.72 | 20 |  |
| o-Xylene                         | 0.0886             | 0.00200 | "     | 0.100                                     | ND | 88.6 | 70-130 | 5.45 | 20 |  |
| m,p-Xylene                       | 0.182              | 0.00400 | "     | 0.200                                     | ND | 90.8 | 70-130 | 6.33 | 20 |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.12               |         | "     | 0.125                                     |    | 98.4 | 70-130 |      |    |  |
| Surrogate: Toluene-d8            | 0.13               |         | "     | 0.125                                     |    | 100  | 70-130 |      |    |  |
| Surrogate: 4-Bromofluorobenzene  | 0.12               |         | "     | 0.125                                     |    | 94.6 | 70-130 |      |    |  |

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 Grand Junction CO 81501

Chelsea Veryser  
 Project Number: [none]  
 Project: Chevron - Bruntz G16-23

**Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control**  
**Origins Laboratory, Inc.**

| Analyte                           | Result | Reporting Limit | Units | Spike Level | Source Result                             | %REC | %REC Limits | RPD | RPD Limit | Notes |
|-----------------------------------|--------|-----------------|-------|-------------|---|------|-------------|-----|-----------|-------|
| <b>Batch B4E1638 - EPA 3550B</b>  |        |                 |       |             |   |      |             |     |           |       |
| <b>Blank (B4E1638-BLK1)</b>       |        |                 |       |             |   |      |             |     |           |       |
|                                   |        |                 |       |             | Prepared: 05/16/2024 Analyzed: 05/20/2024 |      |             |     |           |       |
| Diesel (C10-C28)                  | ND     | 25.0            | mg/kg |             |   |      |             |     |           | Ua    |
| Residual Range Organics (C28-C40) | ND     | 100             | "     |             |   |      |             |     |           | Ua    |
| Surrogate: o-Terphenyl            | 25     |                 | "     | 24.9        |   | 101  | 50-150      |     |           |       |

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 Grand Junction CO 81501

Chelsea Veryser  
 Project Number: [none]  
 Project: Chevron - Bruntz G16-23

**Extractable Petroleum Hydrocarbons by 8015D - Quality Control**  
**Origins Laboratory, Inc.**

| Analyte                           | Result | Reporting Limit | Units | Spike Level | Source Result | %REC                                      | %REC Limits | RPD | RPD Limit | Notes |
|-----------------------------------|--------|-----------------|-------|-------------|---------------|---|-------------|-----|-----------|-------|
| <b>Batch B4E1638 - EPA 3550B</b>  |        |                 |       |             |               |   |             |     |           |       |
| <b>LCS (B4E1638-BS1)</b>          |        |                 |       |             |               |   |             |     |           |       |
|                                   |        |                 |       |             |               | Prepared: 05/16/2024 Analyzed: 05/20/2024 |             |     |           |       |
| Diesel (C10-C28)                  | 837    | 50.0            | mg/kg | 1000        |               | 83.7                                      | 70-130      |     |           |       |
| Residual Range Organics (C28-C40) | 901    | 200             | "     | 1000        |               | 90.1                                      | 70-130      |     |           |       |
| Surrogate: o-Terphenyl            | 57     |                 | "     | 49.8        |               | 115                                       | 50-150      |     |           |       |

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 Grand Junction CO 81501

Chelsea Veryser  
 Project Number: [none]  
 Project: Chevron - Bruntz G16-23

**Extractable Petroleum Hydrocarbons by 8015D - Quality Control**  
**Origins Laboratory, Inc.**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch B4E1638 - EPA 3550B**

| <b>Matrix Spike (B4E1638-MS1)</b> | <b>Source: Y405461-01</b> |      | <b>Prepared: 05/16/2024 Analyzed: 05/20/2024</b> |      |    |      |        |  |  |  |
|-----------------------------------|---------------------------|------|--|------|----|------|--------|--|--|--|
| Diesel (C10-C28)                  | 867                       | 50.0 | mg/kg  | 1000 | ND | 86.7 | 70-130 |  |  |  |
| Residual Range Organics (C28-C40) | 923                       | 200  | "  | 1000 | ND | 92.3 | 70-130 |  |  |  |
| <i>Surrogate: o-Terphenyl</i>     | 46                        |      | "  | 49.8 |    | 93.0 | 50-150 |  |  |  |

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 330 Grand Ave. Unit C  
 Grand Junction CO 81501

Chelsea Veryser  
 Project Number: [none]  
 Project: Chevron - Bruntz G16-23

**Extractable Petroleum Hydrocarbons by 8015D - Quality Control**  
**Origins Laboratory, Inc.**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch B4E1638 - EPA 3550B**

| <b>Matrix Spike Dup (B4E1638-MSD1)</b> | <b>Source: Y405461-01</b> |      |       |      | <b>Prepared: 05/16/2024 Analyzed: 05/20/2024</b> |      |        |      |    |  |
|--|---------------------------|------|-------|------|--|------|--------|------|----|--|
| Diesel (C10-C28)                       | 842                       | 50.0 | mg/kg | 1000 | ND   | 84.2 | 70-130 | 2.91 | 35 |  |
| Residual Range Organics (C28-C40)      | 963                       | 200  | "     | 1000 | ND   | 96.3 | 70-130 | 4.28 | 35 |  |
| <i>Surrogate: o-Terphenyl</i>          | 54                        |      | "     | 49.8 |  | 109  | 50-150 |      |    |  |

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 330 Grand Ave. Unit C  
 Grand Junction CO 81501

Chelsea Veryser  
 Project Number: [none]  
 Project: Chevron - Bruntz G16-23

**Extractable Petroleum Hydrocarbons by 8015D - Quality Control**  
**Origins Laboratory, Inc.**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**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 B4E1527 - EPA 3050B**

**Blank (B4E1527-BLK1)**

Prepared: 05/15/2024 Analyzed: 05/18/2024

|          |    |       |       |  |  |  |  |  |  |  |
|----------|----|-------|-------|--|--|--|--|--|--|--|
| Arsenic  | ND | 0.290 | mg/kg |  |  |  |  |  |  |  |
| Barium   | ND | 10.0  | "     |  |  |  |  |  |  |  |
| Cadmium  | ND | 0.100 | "     |  |  |  |  |  |  |  |
| Copper   | ND | 10.0  | "     |  |  |  |  |  |  |  |
| Lead     | ND | 1.00  | "     |  |  |  |  |  |  |  |
| Nickel   | ND | 1.00  | "     |  |  |  |  |  |  |  |
| Selenium | ND | 0.260 | "     |  |  |  |  |  |  |  |
| Silver   | ND | 0.100 | "     |  |  |  |  |  |  |  |
| Zinc     | ND | 37.0  | "     |  |  |  |  |  |  |  |

**LCS (B4E1527-BS1)**

Prepared: 05/15/2024 Analyzed: 05/18/2024

|          |      |       |       |      |  |     |        |  |  |  |
|----------|------|-------|-------|------|--|-----|--------|--|--|--|
| Arsenic  | 5.30 | 0.290 | mg/kg | 5.00 |  | 106 | 80-120 |  |  |  |
| Barium   | 545  | 10.0  | "     | 500  |  | 109 | 80-120 |  |  |  |
| Cadmium  | 5.14 | 0.100 | "     | 5.00 |  | 103 | 80-120 |  |  |  |
| Copper   | 54.1 | 10.0  | "     | 50.0 |  | 108 | 80-120 |  |  |  |
| Lead     | 5.23 | 1.00  | "     | 5.00 |  | 105 | 80-120 |  |  |  |
| Nickel   | 5.35 | 1.00  | "     | 5.00 |  | 107 | 80-120 |  |  |  |
| Selenium | 10.1 | 0.260 | "     | 9.50 |  | 107 | 80-120 |  |  |  |
| Silver   | 5.23 | 0.100 | "     | 5.00 |  | 105 | 80-120 |  |  |  |
| Zinc     | 52.8 | 37.0  | "     | 50.0 |  | 106 | 80-120 |  |  |  |

**Matrix Spike (B4E1527-MS1)**

Source: Y405452-01

Prepared: 05/15/2024 Analyzed: 05/18/2024

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 330 Grand Ave. Unit C  
 Grand Junction CO 81501

Chelsea Veryser  
 Project Number: [none]  
 Project: Chevron - Bruntz G16-23

**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 B4E1527 - EPA 3050B**

| <b>Matrix Spike (B4E1527-MS1)</b> |      | <b>Source: Y405452-01</b> |       |      | <b>Prepared: 05/15/2024 Analyzed: 05/18/2024</b> |      |        |  |  |  |
|-----------------------------------|------|---------------------------|-------|------|--|------|--------|--|--|--|
| Arsenic                           | 10.1 | 0.268                     | mg/kg | 4.62 | 5.36   | 103  | 75-125 |  |  |  |
| Barium                            | 654  | 9.24                      | "     | 462  | 118  | 116  | 75-125 |  |  |  |
| Cadmium                           | 5.00 | 0.0924                    | "     | 4.62 | 0.194  | 104  | 75-125 |  |  |  |
| Copper                            | 61.1 | 9.24                      | "     | 46.2 | 11.9   | 107  | 75-125 |  |  |  |
| Lead                              | 13.8 | 0.924                     | "     | 4.62 | 9.47   | 94.8 | 75-125 |  |  |  |
| Nickel                            | 17.7 | 0.924                     | "     | 4.62 | 13.6   | 88.4 | 75-125 |  |  |  |
| Selenium                          | 9.13 | 0.240                     | "     | 8.77 | 0.286  | 101  | 75-125 |  |  |  |
| Silver                            | 4.90 | 0.0924                    | "     | 4.62 | 0.0417   | 105  | 75-125 |  |  |  |
| Zinc                              | 94.5 | 34.2                      | "     | 46.2 | 46.1   | 105  | 75-125 |  |  |  |

| <b>Matrix Spike Dup (B4E1527-MSD1)</b> |      | <b>Source: Y405452-01</b> |       |      | <b>Prepared: 05/15/2024 Analyzed: 05/18/2024</b> |     |        |      |    |       |
|--|------|---------------------------|-------|------|--|-----|--------|------|----|-------|
| Arsenic                                | 10.5 | 0.272                     | mg/kg | 4.69 | 5.36   | 109 | 75-125 | 3.39 | 20 |       |
| Barium                                 | 718  | 9.38                      | "     | 469  | 118  | 128 | 75-125 | 9.33 | 20 | QM-07 |
| Cadmium                                | 5.24 | 0.0938                    | "     | 4.69 | 0.194  | 108 | 75-125 | 4.76 | 20 |       |
| Copper                                 | 64.8 | 9.38                      | "     | 46.9 | 11.9   | 113 | 75-125 | 5.84 | 20 |       |
| Lead                                   | 14.4 | 0.938                     | "     | 4.69 | 9.47   | 105 | 75-125 | 3.87 | 20 |       |
| Nickel                                 | 18.8 | 0.938                     | "     | 4.69 | 13.6   | 112 | 75-125 | 6.50 | 20 |       |
| Selenium                               | 10.1 | 0.244                     | "     | 8.91 | 0.286  | 110 | 75-125 | 10.3 | 20 |       |
| Silver                                 | 5.12 | 0.0938                    | "     | 4.69 | 0.0417   | 108 | 75-125 | 4.40 | 20 |       |
| Zinc                                   | 99.3 | 34.7                      | "     | 46.9 | 46.1   | 113 | 75-125 | 4.89 | 20 |       |

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 Grand Junction CO 81501

Chelsea Veryser  
 Project Number: [none]  
 Project: Chevron - Bruntz G16-23

**EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control**  
**Origins Laboratory, Inc.**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch B4E1635 - EPA 3580**

**Blank (B4E1635-BLK1)**

Prepared: 05/16/2024 Analyzed: 05/17/2024

|                          |    |       |       |  |  |  |  |  |  |    |
|--------------------------|----|-------|-------|--|--|--|--|--|--|----|
| 1-Methylnaphthalene      | ND | 0.002 | mg/kg |  |  |  |  |  |  | Ua |
| 2-Methylnaphthalene      | ND | 0.002 | "     |  |  |  |  |  |  | Ua |
| Acenaphthene             | ND | 0.020 | "     |  |  |  |  |  |  | Ua |
| Anthracene               | ND | 0.020 | "     |  |  |  |  |  |  | Ua |
| Benzo (a) anthracene     | ND | 0.005 | "     |  |  |  |  |  |  | Ua |
| Benzo (a) pyrene         | ND | 0.020 | "     |  |  |  |  |  |  | Ua |
| Benzo (b) fluoranthene   | ND | 0.020 | "     |  |  |  |  |  |  | Ua |
| Benzo (g,h,i) perylene   | ND | 0.020 | "     |  |  |  |  |  |  | Ua |
| Benzo (k) fluoranthene   | ND | 0.020 | "     |  |  |  |  |  |  | Ua |
| Chrysene                 | ND | 0.020 | "     |  |  |  |  |  |  | Ua |
| Dibenz (a,h) anthracene  | ND | 0.020 | "     |  |  |  |  |  |  | Ua |
| Fluoranthene             | ND | 0.020 | "     |  |  |  |  |  |  | Ua |
| Fluorene                 | ND | 0.020 | "     |  |  |  |  |  |  | Ua |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | "     |  |  |  |  |  |  | Ua |
| Naphthalene              | ND | 0.002 | "     |  |  |  |  |  |  | Ua |
| Phenanthrene             | ND | 0.020 | "     |  |  |  |  |  |  | Ua |
| Pyrene                   | ND | 0.020 | "     |  |  |  |  |  |  | Ua |

|                                 |     |  |       |     |  |     |        |  |  |  |
|---------------------------------|-----|--|-------|-----|--|-----|--------|--|--|--|
| Surrogate: Fluorene-d10         | 200 |  | ug/kg | 200 |  | 102 | 60-130 |  |  |  |
| Surrogate: Anthracene-d10       | 210 |  | "     | 200 |  | 106 | 60-130 |  |  |  |
| Surrogate: Pyrene-d10           | 200 |  | "     | 200 |  | 102 | 60-130 |  |  |  |
| Surrogate: Benzo (a) pyrene-d12 | 200 |  | "     | 200 |  | 101 | 60-130 |  |  |  |

**LCS (B4E1635-BS1)**

Prepared: 05/16/2024 Analyzed: 05/17/2024

|                     |       |       |       |       |  |      |        |  |  |  |
|---------------------|-------|-------|-------|-------|--|------|--------|--|--|--|
| 1-Methylnaphthalene | 0.186 | 0.002 | mg/kg | 0.200 |  | 92.9 | 70-130 |  |  |  |
| 2-Methylnaphthalene | 0.184 | 0.002 | "     | 0.200 |  | 91.9 | 70-130 |  |  |  |
| Acenaphthene        | 0.185 | 0.020 | "     | 0.200 |  | 92.5 | 70-130 |  |  |  |
| Anthracene          | 0.196 | 0.020 | "     | 0.200 |  | 97.8 | 70-130 |  |  |  |

Origins Laboratory, Inc.



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Entrada Consulting Group  
 330 Grand Ave. Unit C  
 Grand Junction CO 81501

Chelsea Veryser  
 Project Number: [none]  
 Project: Chevron - Bruntz G16-23

**EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control**  
**Origins Laboratory, Inc.**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch B4E1635 - EPA 3580**

**LCS (B4E1635-BS1)**

Prepared: 05/16/2024 Analyzed: 05/17/2024

|                          |       |       |       |       |  |      |        |  |  |  |
|--------------------------|-------|-------|-------|-------|--|------|--------|--|--|--|
| Benzo (a) anthracene     | 0.192 | 0.005 | mg/kg | 0.200 |  | 96.1 | 70-130 |  |  |  |
| Benzo (a) pyrene         | 0.194 | 0.020 | "     | 0.200 |  | 97.2 | 70-130 |  |  |  |
| Benzo (b) fluoranthene   | 0.192 | 0.020 | "     | 0.200 |  | 96.2 | 70-130 |  |  |  |
| Benzo (g,h,i) perylene   | 0.194 | 0.020 | "     | 0.200 |  | 96.8 | 70-130 |  |  |  |
| Benzo (k) fluoranthene   | 0.194 | 0.020 | "     | 0.200 |  | 97.0 | 70-130 |  |  |  |
| Chrysene                 | 0.192 | 0.020 | "     | 0.200 |  | 95.8 | 70-130 |  |  |  |
| Dibenz (a,h) anthracene  | 0.195 | 0.020 | "     | 0.200 |  | 97.6 | 70-130 |  |  |  |
| Fluoranthene             | 0.185 | 0.020 | "     | 0.200 |  | 92.3 | 70-130 |  |  |  |
| Fluorene                 | 0.199 | 0.020 | "     | 0.200 |  | 99.3 | 70-130 |  |  |  |
| Indeno (1,2,3-cd) pyrene | 0.194 | 0.020 | "     | 0.200 |  | 97.0 | 70-130 |  |  |  |
| Naphthalene              | 0.189 | 0.002 | "     | 0.200 |  | 94.7 | 70-130 |  |  |  |
| Phenanthrene             | 0.195 | 0.020 | "     | 0.200 |  | 97.5 | 70-130 |  |  |  |
| Pyrene                   | 0.194 | 0.020 | "     | 0.200 |  | 96.9 | 70-130 |  |  |  |

|                                 |     |  |       |     |  |      |        |  |  |  |
|---------------------------------|-----|--|-------|-----|--|------|--------|--|--|--|
| Surrogate: Fluorene-d10         | 210 |  | ug/kg | 200 |  | 105  | 60-130 |  |  |  |
| Surrogate: Anthracene-d10       | 200 |  | "     | 200 |  | 101  | 60-130 |  |  |  |
| Surrogate: Pyrene-d10           | 200 |  | "     | 200 |  | 98.9 | 60-130 |  |  |  |
| Surrogate: Benzo (a) pyrene-d12 | 200 |  | "     | 200 |  | 100  | 60-130 |  |  |  |

**Matrix Spike (B4E1635-MS1)**

**Source: Y405410-21**

Prepared: 05/16/2024 Analyzed: 05/17/2024

|                        |       |       |       |       |        |      |        |  |  |  |
|------------------------|-------|-------|-------|-------|--------|------|--------|--|--|--|
| 1-Methylnaphthalene    | 0.194 | 0.002 | mg/kg | 0.200 | 0.0004 | 96.8 | 70-130 |  |  |  |
| 2-Methylnaphthalene    | 0.193 | 0.002 | "     | 0.200 | ND     | 96.3 | 70-130 |  |  |  |
| Acenaphthene           | 0.187 | 0.020 | "     | 0.200 | 0.0004 | 93.2 | 70-130 |  |  |  |
| Anthracene             | 0.211 | 0.020 | "     | 0.200 | ND     | 106  | 70-130 |  |  |  |
| Benzo (a) anthracene   | 0.208 | 0.005 | "     | 0.200 | ND     | 104  | 70-130 |  |  |  |
| Benzo (a) pyrene       | 0.206 | 0.020 | "     | 0.200 | 0.001  | 103  | 70-130 |  |  |  |
| Benzo (b) fluoranthene | 0.193 | 0.020 | "     | 0.200 | ND     | 96.7 | 70-130 |  |  |  |
| Benzo (g,h,i) perylene | 0.195 | 0.020 | "     | 0.200 | 0.0004 | 97.1 | 70-130 |  |  |  |

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Entrada Consulting Group  
 330 Grand Ave. Unit C  
 Grand Junction CO 81501

Chelsea Veryser  
 Project Number: [none]  
 Project: Chevron - Bruntz G16-23

**EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control**  
**Origins Laboratory, Inc.**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch B4E1635 - EPA 3580**

| <b>Matrix Spike (B4E1635-MS1)</b> | <b>Source: Y405410-21</b> |       |       |       | Prepared: 05/16/2024 Analyzed: 05/17/2024 |      |        |  |  |  |
|-----------------------------------|---------------------------|-------|-------|-------|---|------|--------|--|--|--|
| Benzo (k) fluoranthene            | 0.202                     | 0.020 | mg/kg | 0.200 | 0.0005                                    | 101  | 70-130 |  |  |  |
| Chrysene                          | 0.199                     | 0.020 | "     | 0.200 | ND  | 99.3 | 70-130 |  |  |  |
| Dibenz (a,h) anthracene           | 0.196                     | 0.020 | "     | 0.200 | ND  | 98.0 | 70-130 |  |  |  |
| Fluoranthene                      | 0.202                     | 0.020 | "     | 0.200 | ND  | 101  | 70-130 |  |  |  |
| Fluorene                          | 0.189                     | 0.020 | "     | 0.200 | 0.0005                                    | 94.1 | 70-130 |  |  |  |
| Indeno (1,2,3-cd) pyrene          | 0.197                     | 0.020 | "     | 0.200 | ND  | 98.6 | 70-130 |  |  |  |
| Naphthalene                       | 0.194                     | 0.002 | "     | 0.200 | ND  | 97.0 | 70-130 |  |  |  |
| Phenanthrene                      | 0.186                     | 0.020 | "     | 0.200 | ND  | 92.8 | 70-130 |  |  |  |
| Pyrene                            | 0.201                     | 0.020 | "     | 0.200 | ND  | 100  | 70-130 |  |  |  |
| Surrogate: Fluorene-d10           | 210                       |       | ug/kg | 200   |   | 103  | 60-130 |  |  |  |
| Surrogate: Anthracene-d10         | 200                       |       | "     | 200   |   | 99.6 | 60-130 |  |  |  |
| Surrogate: Pyrene-d10             | 210                       |       | "     | 200   |   | 104  | 60-130 |  |  |  |
| Surrogate: Benzo (a) pyrene-d12   | 200                       |       | "     | 200   |   | 102  | 60-130 |  |  |  |

| <b>Matrix Spike Dup (B4E1635-MSD1)</b> | <b>Source: Y405410-21</b> |       |       |       | Prepared: 05/16/2024 Analyzed: 05/17/2024 |      |        |       |    |  |
|--|---------------------------|-------|-------|-------|---|------|--------|-------|----|--|
| 1-Methylnaphthalene                    | 0.193                     | 0.002 | mg/kg | 0.200 | 0.0004                                    | 96.1 | 70-130 | 0.723 | 20 |  |
| 2-Methylnaphthalene                    | 0.199                     | 0.002 | "     | 0.200 | ND  | 99.3 | 70-130 | 3.03  | 20 |  |
| Acenaphthene                           | 0.188                     | 0.020 | "     | 0.200 | 0.0004                                    | 93.8 | 70-130 | 0.612 | 20 |  |
| Anthracene                             | 0.193                     | 0.020 | "     | 0.200 | ND  | 96.3 | 70-130 | 9.34  | 20 |  |
| Benzo (a) anthracene                   | 0.193                     | 0.005 | "     | 0.200 | ND  | 96.3 | 70-130 | 7.66  | 20 |  |
| Benzo (a) pyrene                       | 0.195                     | 0.020 | "     | 0.200 | 0.001                                     | 97.0 | 70-130 | 5.65  | 20 |  |
| Benzo (b) fluoranthene                 | 0.194                     | 0.020 | "     | 0.200 | ND  | 97.0 | 70-130 | 0.343 | 20 |  |
| Benzo (g,h,i) perylene                 | 0.192                     | 0.020 | "     | 0.200 | 0.0004                                    | 96.0 | 70-130 | 1.16  | 20 |  |
| Benzo (k) fluoranthene                 | 0.172                     | 0.020 | "     | 0.200 | 0.0005                                    | 85.5 | 70-130 | 16.5  | 20 |  |
| Chrysene                               | 0.191                     | 0.020 | "     | 0.200 | ND  | 95.5 | 70-130 | 3.82  | 20 |  |
| Dibenz (a,h) anthracene                | 0.178                     | 0.020 | "     | 0.200 | ND  | 89.1 | 70-130 | 9.57  | 20 |  |
| Fluoranthene                           | 0.179                     | 0.020 | "     | 0.200 | ND  | 89.6 | 70-130 | 12.2  | 20 |  |

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 330 Grand Ave. Unit C  
 Grand Junction CO 81501

Chelsea Veryser  
 Project Number: [none]  
 Project: Chevron - Bruntz G16-23

**EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control**  
**Origins Laboratory, Inc.**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch B4E1635 - EPA 3580

| Matrix Spike Dup (B4E1635-MSD1) | Source: Y405410-21 |       |       | Prepared: 05/16/2024 Analyzed: 05/17/2024 |        |      |        |      |    |  |
|---------------------------------|--------------------|-------|-------|---|--------|------|--------|------|----|--|
| Fluorene                        | 0.194              | 0.020 | mg/kg | 0.200                                     | 0.0005 | 96.8 | 70-130 | 2.87 | 20 |  |
| Indeno (1,2,3-cd) pyrene        | 0.190              | 0.020 | "     | 0.200                                     | ND     | 95.1 | 70-130 | 3.62 | 20 |  |
| Naphthalene                     | 0.190              | 0.002 | "     | 0.200                                     | ND     | 95.1 | 70-130 | 1.99 | 20 |  |
| Phenanthrene                    | 0.190              | 0.020 | "     | 0.200                                     | ND     | 95.1 | 70-130 | 2.46 | 20 |  |
| Pyrene                          | 0.196              | 0.020 | "     | 0.200                                     | ND     | 98.1 | 70-130 | 2.23 | 20 |  |
| Surrogate: Fluorene-d10         | 210                |       | ug/kg | 200                                       |        | 105  | 60-130 |      |    |  |
| Surrogate: Anthracene-d10       | 200                |       | "     | 200                                       |        | 101  | 60-130 |      |    |  |
| Surrogate: Pyrene-d10           | 200                |       | "     | 200                                       |        | 101  | 60-130 |      |    |  |
| Surrogate: Benzo (a) pyrene-d12 | 200                |       | "     | 200                                       |        | 101  | 60-130 |      |    |  |

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 Grand Junction CO 81501

Chelsea Veryser  
 Project Number: [none]  
 Project: Chevron - Bruntz G16-23

**Classical Chemistry Parameters - Quality Control**  
**Origins Laboratory, Inc.**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch B4E1719 - Saturated Paste Metals**

**Blank (B4E1719-BLK1)**

Prepared: 05/17/2024 Analyzed: 05/21/2024

|               |    |        |      |  |  |  |  |  |  |  |
|---------------|----|--------|------|--|--|--|--|--|--|--|
| Calcium PPM   | ND | 10.0   | mg/L |  |  |  |  |  |  |  |
| SAR           | ND | 0.0100 | SAR  |  |  |  |  |  |  |  |
| Magnesium PPM | ND | 10.0   | mg/L |  |  |  |  |  |  |  |
| Sodium PPM    | ND | 10.0   | "    |  |  |  |  |  |  |  |

**Duplicate (B4E1719-DUP1)**

Source: Y405459-01

Prepared: 05/17/2024 Analyzed: 05/21/2024

|               |      |        |      |  |      |  |  |      |     |  |
|---------------|------|--------|------|--|------|--|--|------|-----|--|
| Calcium PPM   | 69.3 | 10.0   | mg/L |  | 50.8 |  |  | 30.9 | 50  |  |
| SAR           | ND   | 0.0100 | SAR  |  | 5.33 |  |  |      | 200 |  |
| Magnesium PPM | 44.0 | 10.0   | mg/L |  | 32.6 |  |  | 29.7 | 50  |  |
| Sodium PPM    | 263  | 10.0   | "    |  | 198  |  |  | 28.2 | 50  |  |

**Batch B4E2025 - DTPA Sorbitol Preparation**

**Blank (B4E2025-BLK1)**

Prepared: 05/20/2024 Analyzed: 05/22/2024

|       |    |       |      |  |  |  |  |  |  |  |
|-------|----|-------|------|--|--|--|--|--|--|--|
| Boron | ND | 0.100 | mg/L |  |  |  |  |  |  |  |
|-------|----|-------|------|--|--|--|--|--|--|--|

**Duplicate (B4E2025-DUP1)**

Source: Y405460-01

Prepared: 05/20/2024 Analyzed: 05/22/2024

|       |       |        |      |  |       |  |  |      |    |  |
|-------|-------|--------|------|--|-------|--|--|------|----|--|
| Boron | 0.406 | 0.0983 | mg/L |  | 0.419 |  |  | 3.05 | 50 |  |
|-------|-------|--------|------|--|-------|--|--|------|----|--|

Origins Laboratory, Inc.



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Entrada Consulting Group  
 330 Grand Ave. Unit C  
 Grand Junction CO 81501

Chelsea Veryser  
 Project Number: [none]  
 Project: Chevron - Bruntz G16-23

**Saturated Paste - Quality Control**  
**Origins Laboratory, Inc.**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch B4E1725 - Saturated Paste pH/EC**

**Blank (B4E1725-BLK1)**

Prepared: 05/17/2024 Analyzed: 05/21/2024

Specific Conductance (EC) ND 0.00500 mmhos/cm

**Duplicate (B4E1725-DUP1)**

Source: Y405459-01

Prepared: 05/17/2024 Analyzed: 05/21/2024

|                           |      |         |          |  |      |  |  |      |    |  |
|---------------------------|------|---------|----------|--|------|--|--|------|----|--|
| pH                        | 8.22 |         | pH Units |  | 8.34 |  |  | 1.45 | 25 |  |
| Specific Conductance (EC) | 1.54 | 0.00500 | mmhos/cm |  | 1.22 |  |  | 23.1 | 25 |  |

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 Grand Junction CO 81501

Chelsea Veryser  
 Project Number: [none]  
 Project: Chevron - Bruntz G16-23

**Total Metals by 7196A - Quality Control**  
**GEL Laboratories, LLC**

| Analyte                            | Result | Reporting Limit | Units     | Spike Level | Source Result  | %REC | %REC Limits | RPD | RPD Limit | Notes |
|------------------------------------|--------|-----------------|-----------|-------------|--|------|-------------|-----|-----------|-------|
| <b>Batch 2617121 - SW846 3060A</b> |        |                 |           |             |  |      |             |     |           |       |
| <b>BLANK (1205744083-BLK)</b>      |        |                 |           |             | Prepared: 05/25/2024 Analyzed: 05/28/2024                    |      |             |     |           |       |
| Hexavalent Chromium                | ND     | 0.399           | mg/kg     |             |  |      | -           |     |           | U     |
| <b>LCS (1205744084-BKS)</b>        |        |                 |           |             | Prepared: 05/25/2024 Analyzed: 05/28/2024                    |      |             |     |           |       |
| Hexavalent Chromium                | 3.76   | 0.390           | mg/kg     | 3.90        |  | 96.4 | 80-120      |     |           |       |
| <b>DUP (1205744085 D)</b>          |        |                 |           |             | Source: Y405464-01 Prepared: 05/25/2024 Analyzed: 05/28/2024 |      |             |     |           |       |
| Hexavalent Chromium                | ND     | 0.439           | mg/kg dry |             | <0.176   |      | 0-50        | N/A | 50        | U     |
| <b>MS (1205744086 S)</b>           |        |                 |           |             | Source: Y405464-01 Prepared: 05/25/2024 Analyzed: 05/28/2024 |      |             |     |           |       |
| Hexavalent Chromium                | 3.41   | 0.439           | mg/kg dry | 4.39        | <0.176   | 76.1 | 75-125      |     |           |       |
| <b>DUP (1205744087 D)</b>          |        |                 |           |             | Source: 667792001 Prepared: 05/25/2024 Analyzed: 05/28/2024  |      |             |     |           |       |
| Hexavalent Chromium                | ND     | 0.345           | mg/kg dry |             | <0.138   |      | 0-50        | N/A | 50        | U     |
| <b>MS (1205744088 S)</b>           |        |                 |           |             | Source: 667792001 Prepared: 05/25/2024 Analyzed: 05/28/2024  |      |             |     |           |       |
| Hexavalent Chromium                | 2.87   | 0.345           | mg/kg dry | 3.45        | <0.138   | 81.6 | 75-125      |     |           |       |
| <b>ILCS (1205744089-ILCS)</b>      |        |                 |           |             | Prepared: 05/25/2024 Analyzed: 05/28/2024                    |      |             |     |           |       |
| Hexavalent Chromium                | 7.85   | 0.386           | mg/kg     | 7.98        |  | 98.4 | 80-120      |     |           |       |

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330 Grand Ave. Unit C  
Grand Junction CO 81501

Chelsea Veryser  
Project Number: [none]  
Project: Chevron - Bruntz G16-23

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**Notes and Definitions**

Ua Sample is Non-Detect.

U Result not detected above the detection limit

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 on a wet weight basis.

Calculated results may use J-flag data (instead of reported "ND") as part of calculation to provide a more accurate result.

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