

CARMONA RESOURCES



## SITE INFORMATION

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**Closure Report**  
**Road Runner Federal Com 023H (12.16.22)**  
**Incident ID: NAPP2235437856**  
**Eddy County, New Mexico**  
**Unit M Sec 36 T25S R26E**  
**32.0805°, -104.2509°**

**Produced Water Release**  
**Point of Release: Flex Flow Line Leak**  
**Release Date: 12.16.22**  
**Volume Released: 5.187 Barrels of Produced Water**  
**Volume Recovered: 0 barrels of Produced Water**

CARMONA RESOURCES



**Prepared for:**  
**Concho Operating, LLC**  
**15 West London Road**  
**Loving, New Mexico 88256**

**Prepared by:**  
**Carmona Resources, LLC**  
**310 West Wall Street**  
**Suite 500**  
**Midland, Texas 79701**

310 West Wall Street, Suite 500  
Midland TX, 79701  
432.813.1992

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March 14, 2023

Mike Bratcher  
District Supervisor  
Oil Conservation Division, District 2  
811 S. First Street  
Artesia, New Mexico 88210

**Re: Closure Report  
Road Runner Federal Com 023H (12.16.22)  
Concho Operating, LLC  
Site Location: Unit M, S36, T25S, R26E  
(Lat 32.0805°, Long -104.2509°)  
Eddy County, New Mexico**

Mr. Bratcher:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site assessment activities for the Road Runner Federal Com 023H (12.16.22). The site is located at 32.0805, -104.2509 within Unit M, S36, T25S, R26E, and is in Eddy County, New Mexico (Figures 1 and 2).

### **1.0 Site information and Background**

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on December 16, 2022, caused by a flex flow line leak. It released approximately five-point one-eight-seven (5.187) barrels of produced water, and zero (0) barrels of produced water were recovered. The impacted area occurred off the pad, shown in Figure 3. The initial C-141 form is attached in Appendix C.

### **2.0 Site Characterization and Groundwater**

The site is located within a high karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water source is within a 0.50-mile radius of the location. The nearest identified well is approximately 1.64 miles Northeast of the site in S25, T25S, R26E and was drilled in 2018. The well has a reported depth to groundwater of 13.96' feet below the ground surface (ft bgs). A copy of the associated Summary Report is attached in Appendix D.

### **3.0 NMAC Regulatory Criteria**

Per the NMOCD regulatory criteria established in 19.15.29.12 NMAC, the following criteria were utilized in assessing the site.

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 100 mg/kg (GRO + DRO + MRO).
- Chloride: 600 mg/kg.

### **4.0 Site Assessment Activities**

On December 21, 2022, and February 2, 2023, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of three (3) trenches (T-1, T-2, and T-3) and six (6) horizontal samples (H-1 through H-6) were advanced to depths ranging from the surface to 5.0' below ground surface (bgs) inside and outside the release area. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The



samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

See Table 1 for the analytical results.

### **5.0 Remediation Activities**

Before excavation activities, several lines were hand spotted and hydro-vacced to ensure safety protocol was being met. Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOC division office was notified via email on February 27, 2023, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The areas of T-1 and T-2 were excavated to a depth of 4.5' bgs, and the area of T-3 was excavated to a depth of 1.5' bgs to remove all the impacted soils. A total of seventeen (17) floor confirmation samples were collected (CS-1 through CS-17), and fifteen (15) sidewall samples (SW-1 through SW-15) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 315 cubic yards of material were excavated and transported offsite for proper disposal.

### **6.0 Conclusions**

Based on the assessment results and the analytical data, no further actions are required at the site. The final C-141 is attached, and COG formally requests closure of the spill. If you have any questions regarding this report or need additional information, please contact us at 432-813-1992.

Sincerely,

**Carmona Resources, LLC**

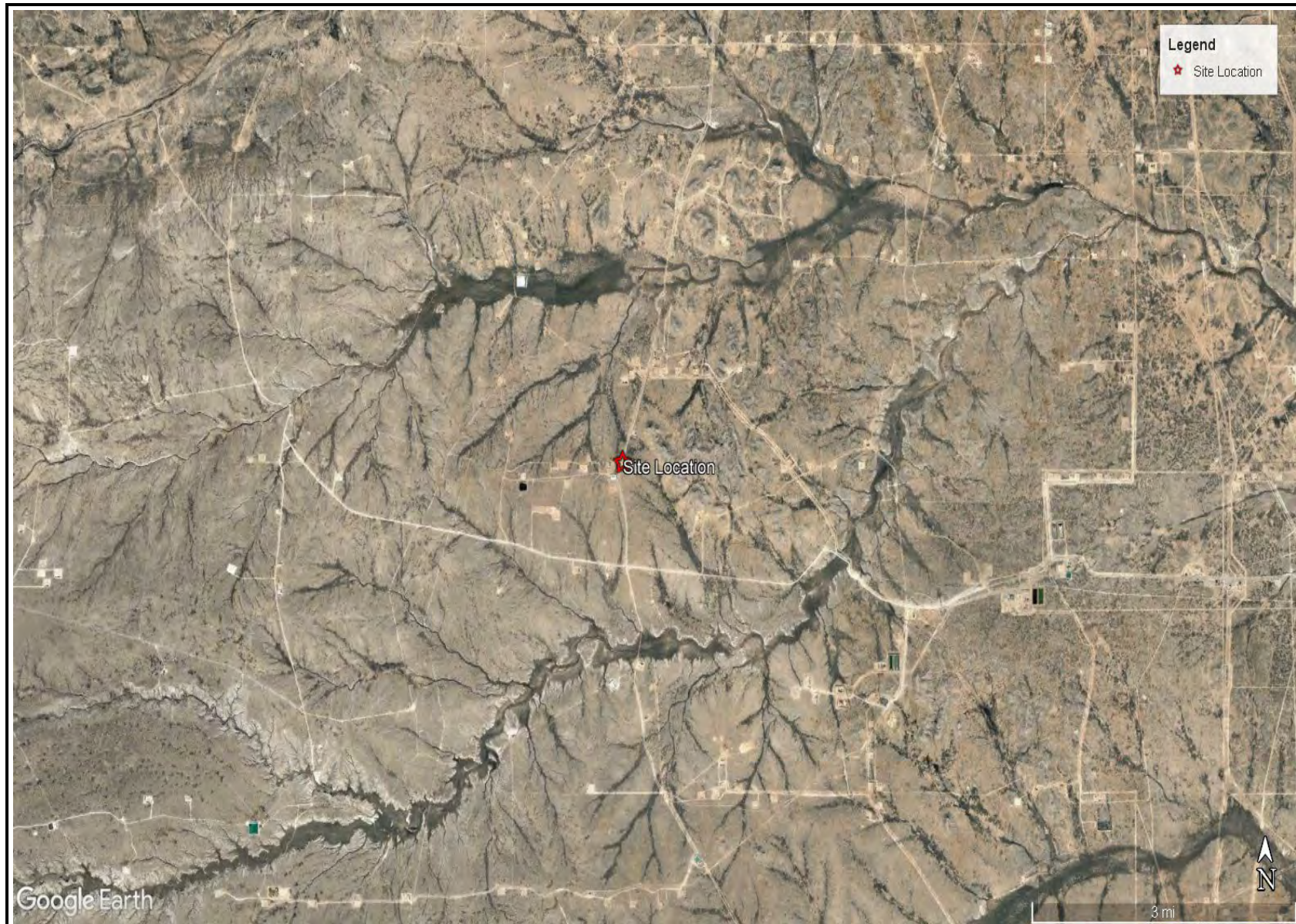
Mike Carmona  
Environmental Manager

Clinton Merritt  
Sr. Project Manager

## FIGURES

CARMONA RESOURCES

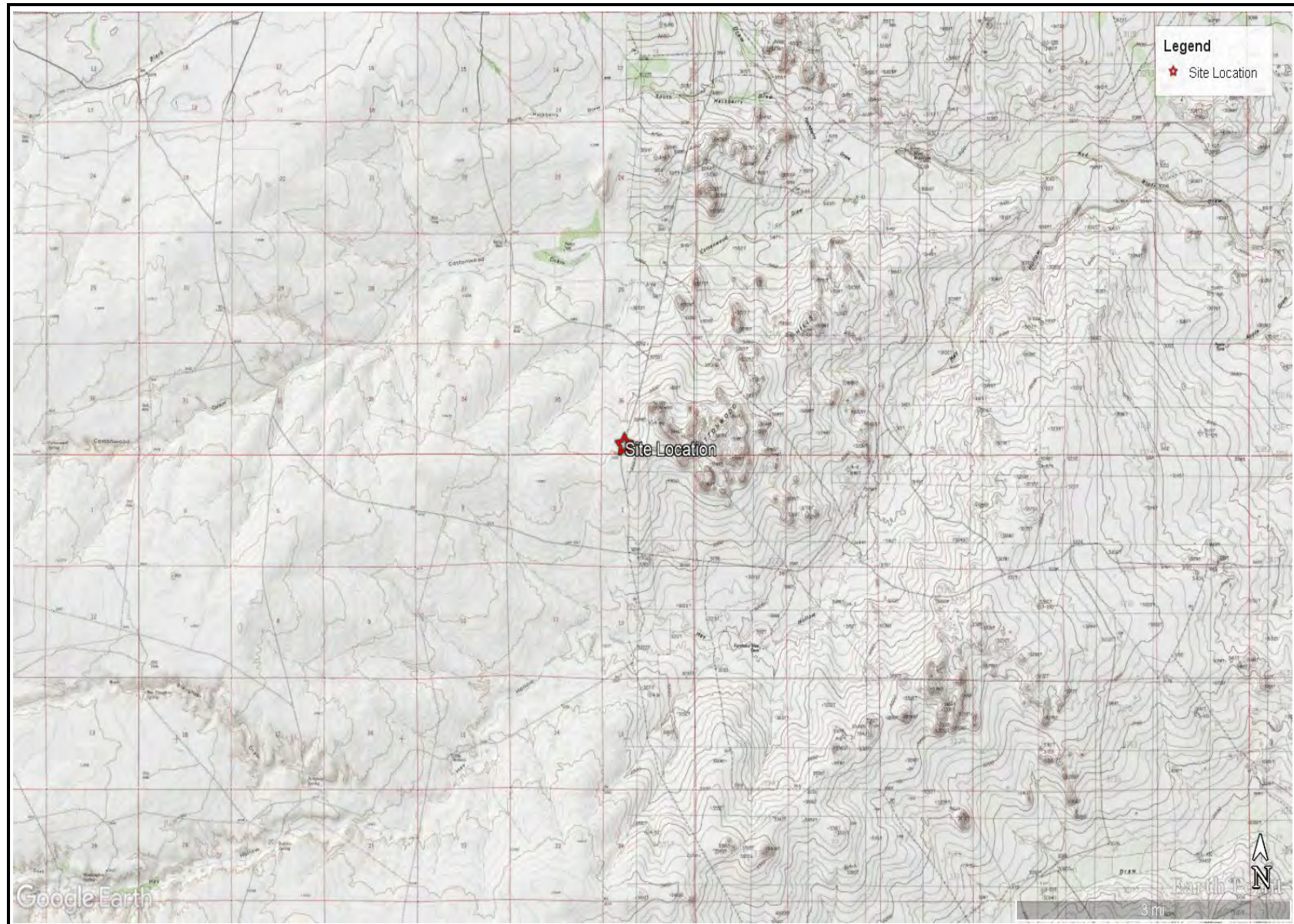




OVERVIEW MAP  
COG OPERATING, LLC  
ROAD RUNNER FEDERAL COM 023H (12.16.22)  
EDDY COUNTY, NEW MEXICO  
32.0805°, -104.2509°



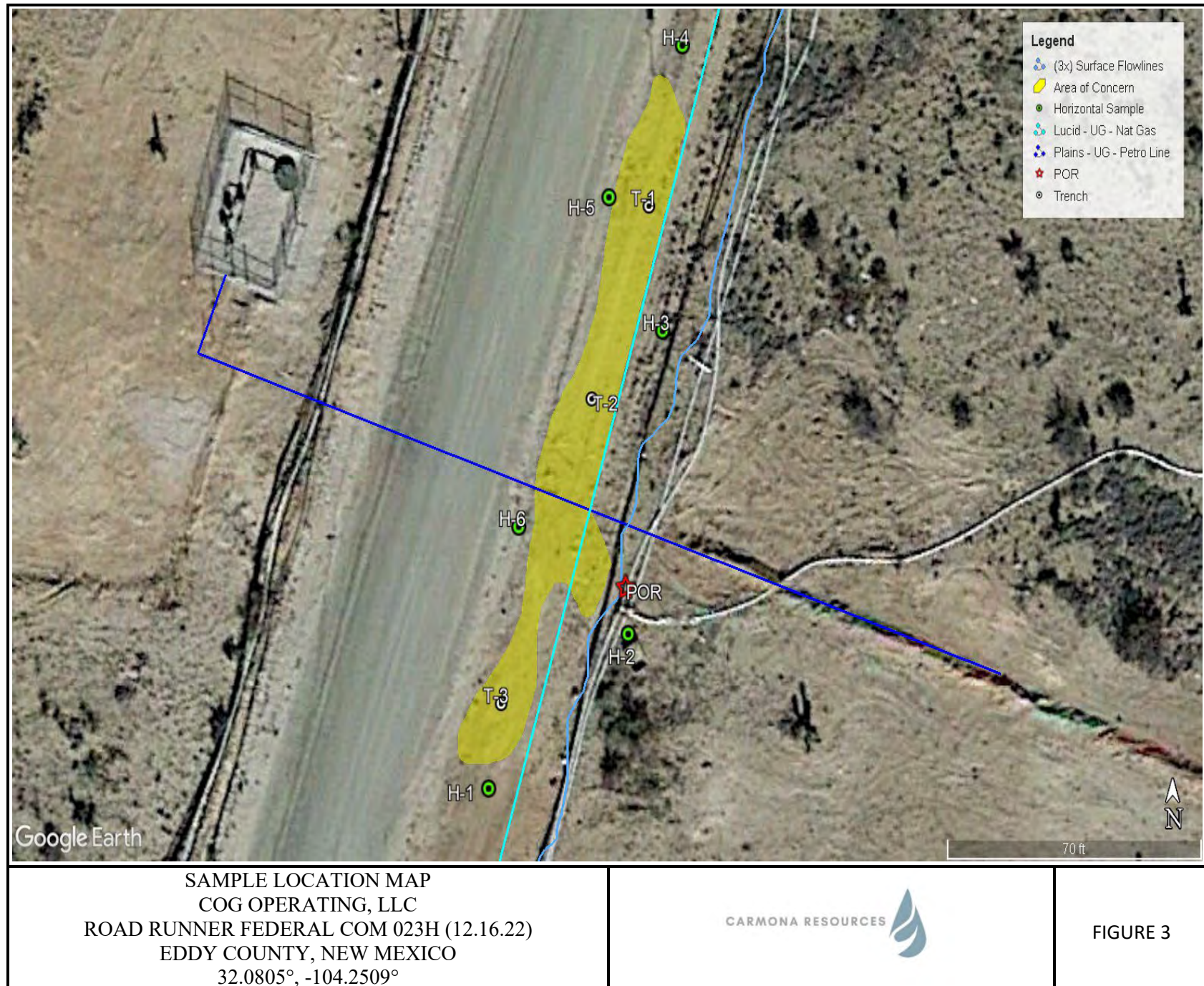
FIGURE 1



TOPOGRAPHIC MAP  
COG OPERATING, LLC  
ROAD RUNNER FEDERAL COM 023H (12.16.22)  
EDDY COUNTY, NEW MEXICO  
32.0805°, -104.2509°



FIGURE 2





EXCAVATION DEPTH MAP  
 COG OPERATING, LLC  
 ROAD RUNNER FEDERAL COM 023H (12.16.22)  
 EDDY COUNTY, NEW MEXICO  
 32.0805°, -104.2509°



FIGURE 4

## APPENDIX A

CARMONA RESOURCES



Table 1  
COG  
Road Runner Fed Com 023H (12.16.22)  
Eddy County, New Mexico

| Sample ID                        | Date       | Depth (ft) | TPH (mg/kg) |       |       |          | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Xylene (mg/kg) | Total BTEX (mg/kg) | Chloride (mg/kg) |           |
|----------------------------------|------------|------------|-------------|-------|-------|----------|-----------------|-----------------|----------------------|----------------|--------------------|------------------|-----------|
|                                  |            |            | GRO         | DRO   | MRO   | Total    |                 |                 |                      |                |                    |                  |           |
| T-1                              | 2/6/2023   | 0-1        | <50.0       | <50.0 | <50.0 | <50.0    | <0.00198        | <0.00198        | <0.00198             | <0.00396       | <0.00396           | 8,170            |           |
|                                  | "          | 1.0        | <50.0       | <50.0 | <50.0 | <50.0    | <0.00202        | <0.00202        | <0.00202             | <0.00403       | <0.00403           | 7,380            |           |
|                                  | "          | 2.0        | <49.9       | <49.9 | <49.9 | <49.9    | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 5,400            |           |
|                                  | "          | 3.0        | <50.0       | <50.0 | <50.0 | <50.0    | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 4,490            |           |
|                                  | "          | 4.0        | <50.0       | <50.0 | <50.0 | <50.0    | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 2,790            |           |
| "                                | 5.0        | <49.9      | <49.9       | <49.9 | <49.9 | <0.00201 | <0.00201        | <0.00201        | <0.00402             | <0.00402       | 9.70               |                  |           |
| T-2                              | 2/6/2023   | 0-1        | <49.9       | <49.9 | <49.9 | <49.9    | <0.00202        | <0.00202        | <0.00202             | <0.00404       | <0.00404           | 5,250            |           |
|                                  | "          | 1.0        | <50.0       | <50.0 | <50.0 | <50.0    | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 5,430            |           |
|                                  | "          | 2.0        | <50.0       | <50.0 | <50.0 | <50.0    | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 6,370            |           |
|                                  | "          | 3.0        | <49.9       | <49.9 | <49.9 | <49.9    | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 5,960            |           |
|                                  | "          | 4.0        | <49.9       | <49.9 | <49.9 | <49.9    | <0.00202        | <0.00202        | <0.00202             | <0.00403       | <0.00403           | 1,500            |           |
| "                                | 5.0        | <49.9      | <49.9       | <49.9 | <49.9 | <0.00199 | <0.00199        | <0.00199        | <0.00398             | <0.00398       | 26.3               |                  |           |
| T-3                              | 2/6/2023   | 0-1        | <49.9       | <49.9 | <49.9 | <49.9    | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 623              |           |
|                                  | "          | 1.0        | <49.9       | <49.9 | <49.9 | <49.9    | <0.00201        | <0.00201        | <0.00201             | <0.00402       | <0.00402           | 829              |           |
|                                  | "          | 2.0        | <50.0       | <50.0 | <50.0 | <50.0    | <0.00200        | <0.00200        | <0.00200             | <0.00401       | <0.00401           | 228              |           |
|                                  | "          | 3.0        | <50.0       | <50.0 | <50.0 | <50.0    | <0.00201        | <0.00201        | <0.00201             | <0.00402       | <0.00402           | 247              |           |
|                                  | "          | 4.0        | <49.9       | <49.9 | <49.9 | <49.9    | <0.00198        | <0.00198        | <0.00198             | <0.00396       | <0.00396           | 278              |           |
| "                                | 5.0        | <49.9      | <49.9       | <49.9 | <49.9 | <0.00199 | <0.00199        | <0.00199        | <0.00398             | <0.00398       | 8.55               |                  |           |
| H-1                              | 12/21/2022 | 0-0.5      | <50.0       | <50.0 | <50.0 | <50.0    | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 15.1             |           |
| H-2                              | 12/21/2022 | 0-0.5      | <50.0       | <50.0 | <50.0 | <50.0    | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 37.0             |           |
| H-3                              | 12/21/2022 | 0-0.5      | <50.0       | <50.0 | <50.0 | <50.0    | <0.00201        | <0.00201        | <0.00201             | <0.00402       | <0.00402           | 6.61             |           |
| H-4                              | 12/21/2022 | 0-0.5      | <50.0       | <50.0 | <50.0 | <50.0    | <0.00200        | <0.00200        | <0.00200             | <0.00401       | <0.00401           | 10.2             |           |
| H-5                              | 12/21/2022 | 0-0.5      | <50.0       | <50.0 | <50.0 | <50.0    | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 5.53             |           |
| H-6                              | 12/21/2022 | 0-0.5      | <49.9       | <49.9 | <49.9 | <49.9    | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | <4.98            |           |
| Regulatory Criteria <sup>A</sup> |            |            |             |       |       |          | 100 mg/kg       | 10 mg/kg        | -                    | -              | -                  | 50 mg/kg         | 600 mg/kg |

(-) Not Analyzed  
<sup>A</sup> - Table 1 - 19.15.29 NMAC  
mg/kg - milligram per kilogram  
TPH - Total Petroleum Hydrocarbons  
ft-feet  
(T) Trench  
(H) Horizontal Sample  
Removed

**Table 2**  
**Conoco Phillips**  
**Road Runner Fed Com 023H (12.16.22)**  
**Eddy County, New Mexico**

| Sample ID                        | Date     | Depth (ft) | TPH (mg/kg) |       |       |           | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Xylene (mg/kg) | Total BTEX (mg/kg) | Chloride (mg/kg) |
|----------------------------------|----------|------------|-------------|-------|-------|-----------|-----------------|-----------------|----------------------|----------------|--------------------|------------------|
|                                  |          |            | GRO         | DRO   | MRO   | Total     |                 |                 |                      |                |                    |                  |
| CS-1                             | 3/2/2023 | 4.5        | <49.9       | <49.9 | <49.9 | <49.9     | <0.00201        | <0.00201        | <0.00201             | <0.00402       | <0.00402           | 480              |
| CS-2                             | 3/2/2023 | 4.5        | <50.0       | <50.0 | <50.0 | <50.0     | <0.00201        | <0.00201        | <0.00201             | <0.00402       | <0.00402           | 165              |
| CS-3                             | 3/2/2023 | 4.5        | <49.9       | <49.9 | <49.9 | <49.9     | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 538              |
| CS-4                             | 3/2/2023 | 4.5        | <49.9       | <49.9 | <49.9 | <49.9     | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 155              |
| CS-5                             | 3/2/2023 | 4.5        | <49.9       | <49.9 | <49.9 | <49.9     | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 483              |
| CS-6                             | 3/2/2023 | 4.5        | <50.0       | <50.0 | <50.0 | <50.0     | <0.00201        | <0.00201        | <0.00201             | <0.00402       | <0.00402           | 147              |
| CS-7                             | 3/2/2023 | 4.5        | <50.0       | <50.0 | <50.0 | <50.0     | <0.00200        | <0.00200        | <0.00200             | <0.00401       | <0.00401           | 481              |
| CS-8                             | 3/2/2023 | 4.5        | <49.9       | <49.9 | <49.9 | <49.9     | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 182              |
| CS-9                             | 3/2/2023 | 1.5        | <49.9       | <49.9 | <49.9 | <49.9     | <0.00198        | <0.00198        | <0.00198             | <0.00396       | <0.00396           | 164              |
| CS-10                            | 3/2/2023 | 1.5        | <49.9       | <49.9 | <49.9 | <49.9     | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 40.2             |
| CS-11                            | 3/2/2023 | 1.5        | <49.9       | <49.9 | <49.9 | <49.9     | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 135              |
| CS-12                            | 3/2/2023 | 1.5        | <50.0       | <50.0 | <50.0 | <50.0     | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 38.2             |
| CS-13                            | 3/2/2023 | 1.5        | <50.0       | <50.0 | <50.0 | <50.0     | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 119              |
| CS-14                            | 3/2/2023 | 1.5        | <49.9       | <49.9 | <49.9 | <49.9     | <0.00201        | <0.00201        | <0.00201             | <0.00402       | <0.00402           | 40.0             |
| CS-15                            | 3/2/2023 | 1.5        | <49.9       | <49.9 | <49.9 | <49.9     | <0.00202        | <0.00202        | <0.00202             | <0.00404       | <0.00404           | 148              |
| CS-16                            | 3/2/2023 | 1.5        | <50.0       | <50.0 | <50.0 | <50.0     | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 36.8             |
| CS-17                            | 3/2/2023 | 1.5        | <49.9       | <49.9 | <49.9 | <49.9     | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 40.0             |
| SW-1                             | 3/2/2023 | 4.5        | <49.9       | <49.9 | <49.9 | <49.9     | <0.00198        | <0.00198        | <0.00198             | <0.00397       | <0.00397           | 154              |
| SW-2                             | 3/2/2023 | 4.5        | <50.0       | <50.0 | <50.0 | <50.0     | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 33.3             |
| SW-3                             | 3/2/2023 | 4.5        | <49.9       | <49.9 | <49.9 | <49.9     | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 113              |
| SW-4                             | 3/2/2023 | 4.5        | <49.9       | <49.9 | <49.9 | <49.9     | <0.00202        | <0.00202        | <0.00202             | <0.00403       | <0.00403           | 34.0             |
| SW-5                             | 3/2/2023 | 4.5        | <50.0       | <50.0 | <50.0 | <50.0     | <0.00202        | <0.00202        | <0.00202             | <0.00404       | <0.00404           | 40.7             |
| SW-6                             | 3/2/2023 | 4.5        | <49.9       | <49.9 | <49.9 | <49.9     | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 137              |
| SW-7                             | 3/2/2023 | 4.5        | <49.9       | <49.9 | <49.9 | <49.9     | 0.0117          | 0.003           | 0.0109               | 0.0217         | 0.0473             | 47.4             |
| SW-8                             | 3/2/2023 | 1.5        | <49.9       | <49.9 | <49.9 | <49.9     | <0.00200        | <0.00200        | <0.00200             | <0.00401       | <0.00401           | 28.4             |
| SW-9                             | 3/2/2023 | 1.5        | <50.0       | <50.0 | <50.0 | <50.0     | <0.00198        | <0.00198        | <0.00198             | <0.00396       | <0.00396           | 92.3             |
| SW-10                            | 3/2/2023 | 1.5        | <50.0       | <50.0 | <50.0 | <50.0     | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 50.6             |
| SW-11                            | 3/2/2023 | 1.5        | <49.9       | <49.9 | <49.9 | <49.9     | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 45.4             |
| SW-12                            | 3/2/2023 | 1.5        | <49.9       | <49.9 | <49.9 | <49.9     | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 65.1             |
| SW-13                            | 3/2/2023 | 1.5        | <50.0       | <50.0 | <50.0 | <50.0     | <0.00200        | <0.00200        | <0.00200             | <0.00401       | <0.00401           | 52.5             |
| SW-14                            | 3/2/2023 | 1.5        | <49.9       | <49.9 | <49.9 | <49.9     | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 41.3             |
| SW-15                            | 3/2/2023 | 1.5        | <49.9       | <49.9 | <49.9 | <49.9     | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 33.7             |
| Regulatory Criteria <sup>A</sup> |          |            |             |       |       | 100 mg/kg | 10 mg/kg        |                 |                      |                | 50 mg/kg           | 600 mg/kg        |

(-) Not Analyzed

<sup>A</sup> - Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(CS) Confirmation Sample

(SW) Sidewall Sample

## APPENDIX B

CARMONA RESOURCES



## PHOTOGRAPHIC LOG

Concho Operating, LLC

## Photograph No. 1

**Facility:** Road Runner Federal Com 023H  
(12.16.22)

**County:** Eddy County, New Mexico

**Description:**

View North, area of CS-9 through CS-16.



## Photograph No. 2

**Facility:** Road Runner Federal Com 023H  
(12.16.22)

**County:** Eddy County, New Mexico

**Description:**

View South, area of CS-1 through CS-8.



## Photograph No. 3

**Facility:** Road Runner Federal Com 023H  
(12.16.22)

**County:** Eddy County, New Mexico

**Description:**

View Northwest, area of CS-17.



## APPENDIX C

CARMONA RESOURCES



District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural  
Resources Department  
  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised August 24, 2018  
Submit to appropriate OCD District office

|                |  |
|----------------|--|
| Incident ID    |  |
| District RP    |  |
| Facility ID    |  |
| Application ID |  |

Release Notification

Responsible Party

|                         |                              |
|-------------------------|------------------------------|
| Responsible Party       | OGRID                        |
| Contact Name            | Contact Telephone            |
| Contact email           | Incident # (assigned by OCD) |
| Contact mailing address |                              |

Location of Release Source

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
(NAD 83 in decimal degrees to 5 decimal places)

|                         |                      |
|-------------------------|----------------------|
| Site Name               | Site Type            |
| Date Release Discovered | API# (if applicable) |

|             |         |          |       |        |
|-------------|---------|----------|-------|--------|
| Unit Letter | Section | Township | Range | County |
|             |         |          |       |        |

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☐ Private (Name: \_\_\_\_\_)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

|                                           |                                                                                |                                                          |
|-------------------------------------------|--------------------------------------------------------------------------------|----------------------------------------------------------|
| <input type="checkbox"/> Crude Oil        | Volume Released (bbls)                                                         | Volume Recovered (bbls)                                  |
| <input type="checkbox"/> Produced Water   | Volume Released (bbls)                                                         | Volume Recovered (bbls)                                  |
|                                           | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="checkbox"/> Condensate       | Volume Released (bbls)                                                         | Volume Recovered (bbls)                                  |
| <input type="checkbox"/> Natural Gas      | Volume Released (Mcf)                                                          | Volume Recovered (Mcf)                                   |
| <input type="checkbox"/> Other (describe) | Volume/Weight Released (provide units)                                         | Volume/Weight Recovered (provide units)                  |

Cause of Release

|                |  |
|----------------|--|
| Incident ID    |  |
| District RP    |  |
| Facility ID    |  |
| Application ID |  |

|                                                                                                                            |                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Was this a major release as defined by 19.15.29.7(A) NMAC?<br><br><input type="checkbox"/> Yes <input type="checkbox"/> No | If YES, for what reason(s) does the responsible party consider this a major release? |
| If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?               |                                                                                      |

### Initial Response

*The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury*

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| <input type="checkbox"/> The source of the release has been stopped.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                  |
| <input type="checkbox"/> The impacted area has been secured to protect human health and the environment.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |
| <input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                  |
| <input type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                  |
| If all the actions described above have <u>not</u> been undertaken, explain why:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                  |
| Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.                                                                                                                                                                                                                                                                                                                                                                                      |                  |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. |                  |
| Printed Name _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Title: _____     |
| Signature: <u></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Date: _____      |
| email: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Telephone: _____ |
| <b><u>OCD Only</u></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |
| Received by: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Date: _____      |

# L48 Spill Volume Estimate Form

Page 18 of 174

Received by OCD: 3/27/2023 8:26:01 AM

|                                            |                     |
|--------------------------------------------|---------------------|
| Facility Name & Number:                    | Road Runner Fed 23H |
| Asset Area:                                | DBWN                |
| Release Discovery Date & Time:             | 3.27.22             |
| Release Type:                              | Produced Water      |
| Provide any known details about the event: |                     |

## Spill Calculation - On Pad Surface Pool Spill

| Convert irregular shape into a series of rectangles | Length (ft.) | Width (ft.) | Deepest point in each of the areas (in.) | No. of boundaries of "shore" in each area | Estimated <u>Pool</u> Area (sq. ft.) | Estimated Average Depth (ft.) | Estimated volume of each pool area (bbl.) | Penetration allowance (ft.) | Total Estimated Volume of Spill (bbl.) |
|-----------------------------------------------------|--------------|-------------|------------------------------------------|-------------------------------------------|--------------------------------------|-------------------------------|-------------------------------------------|-----------------------------|----------------------------------------|
| Rectangle A                                         | 45.0         | 12.0        | 0.25                                     | 1                                         | 540.000                              | 0.021                         | 2.003                                     | 0.001                       | 2.005                                  |
| Rectangle B                                         | 10.0         | 12.0        | 0.25                                     | 1                                         | 120.000                              | 0.021                         | 0.445                                     | 0.001                       | 0.445                                  |
| Rectangle C                                         | 20.0         | 7.0         | 0.50                                     | 1                                         | 140.000                              | 0.042                         | 1.038                                     | 0.002                       | 1.040                                  |
| Rectangle D                                         | 8.0          | 8.0         | 1.00                                     | 1                                         | 64.000                               | 0.083                         | 0.949                                     | 0.004                       | 0.953                                  |
| Rectangle E                                         | 10.0         | 10.0        | 0.50                                     | 1                                         | 100.000                              | 0.042                         | 0.742                                     | 0.002                       | 0.743                                  |
| Rectangle F                                         |              |             |                                          |                                           | 0.000                                | #DIV/0!                       | #DIV/0!                                   | #DIV/0!                     | #DIV/0!                                |
| Rectangle G                                         |              |             |                                          |                                           | 0.000                                | #DIV/0!                       | #DIV/0!                                   | #DIV/0!                     | #DIV/0!                                |
| Rectangle H                                         |              |             |                                          |                                           | 0.000                                | #DIV/0!                       | #DIV/0!                                   | #DIV/0!                     | #DIV/0!                                |
| Rectangle I                                         |              |             |                                          |                                           | 0.000                                | #DIV/0!                       | #DIV/0!                                   | #DIV/0!                     | #DIV/0!                                |
| Rectangle J                                         |              |             |                                          |                                           | 0.000                                | #DIV/0!                       | #DIV/0!                                   | #DIV/0!                     | #DIV/0!                                |
| Total Volume Release:                               |              |             |                                          |                                           |                                      |                               |                                           |                             | 5.187                                  |

Released to Imaging: 8/15/2023 12:32:01 PM

|                |  |
|----------------|--|
| Incident ID    |  |
| District RP    |  |
| Facility ID    |  |
| Application ID |  |

## Site Assessment/Characterization

*This information must be provided to the appropriate district office no later than 90 days after the release discovery date.*

|                                                                                                                                                                                                 |                                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| What is the shallowest depth to groundwater beneath the area affected by the release?                                                                                                           | _____ (ft bgs)                                           |
| Did this release impact groundwater or surface water?                                                                                                                                           | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?                                                              | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?                                                    | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?                                                            | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?                                                                                                | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?                                                           | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a wetland?                                                                                                                            | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release overlying a subsurface mine?                                                                                                                             | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release overlying an unstable area such as karst geology?                                                                                                        | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within a 100-year floodplain?                                                                                                                            | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?                                                                                            | <input type="checkbox"/> Yes <input type="checkbox"/> No |

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

### **Characterization Report Checklist: Each of the following items must be included in the report.**

- ☐ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☐ Data table of soil contaminant concentration data
- ☐ Depth to water determination
- ☐ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☐ Photographs including date and GIS information
- ☐ Topographic/Aerial maps
- ☐ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico  
Oil Conservation Division

Page 4

|                |  |
|----------------|--|
| Incident ID    |  |
| District RP    |  |
| Facility ID    |  |
| Application ID |  |

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: Jacques Harimon Date: \_\_\_\_\_

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: Jocelyn Harimon Date: 03/27/2023

|                |  |
|----------------|--|
| Incident ID    |  |
| District RP    |  |
| Facility ID    |  |
| Application ID |  |

## Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

- ☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☐ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: Jocelyn Harimon Date: \_\_\_\_\_

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: Jocelyn Harimon Date: 03/27/2023

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Jocelyn Harimon Date: 08/15/2023

Printed Name: Jocelyn Harimon Title: Environmental Specialist

COG - Road Runner Federal Com 023H (12.16.22)- Sampling Notification - Incident No. NAPP2235437856



Mike Carmona <Mcarmona@carmonaresources.com>

2/27/2023 10:23 AM

To: NMOCD Spill Notifications (OCD.Enviro@emnrd.nm.gov) Cc: Harris, Jacqui; Clint Merritt; Conner Moehring

Good Morning,

On behalf of COG, Carmona Resources will collect confirmation samples for the below-referenced site on 03/01/23 around 3:00 p.m. Please let me know if you have any questions.

Road Runner Federal Com 023H (12.16.22)

Incident No. NAPP2235437856

Mike J. Carmona

310 West Wall Street, Suite 500

Midland TX, 79701

M: 432-813-1992

[Mcarmona@carmonaresources.com](mailto:Mcarmona@carmonaresources.com)

CARMONA RESOURCES



## APPENDIX D

CARMONA RESOURCES

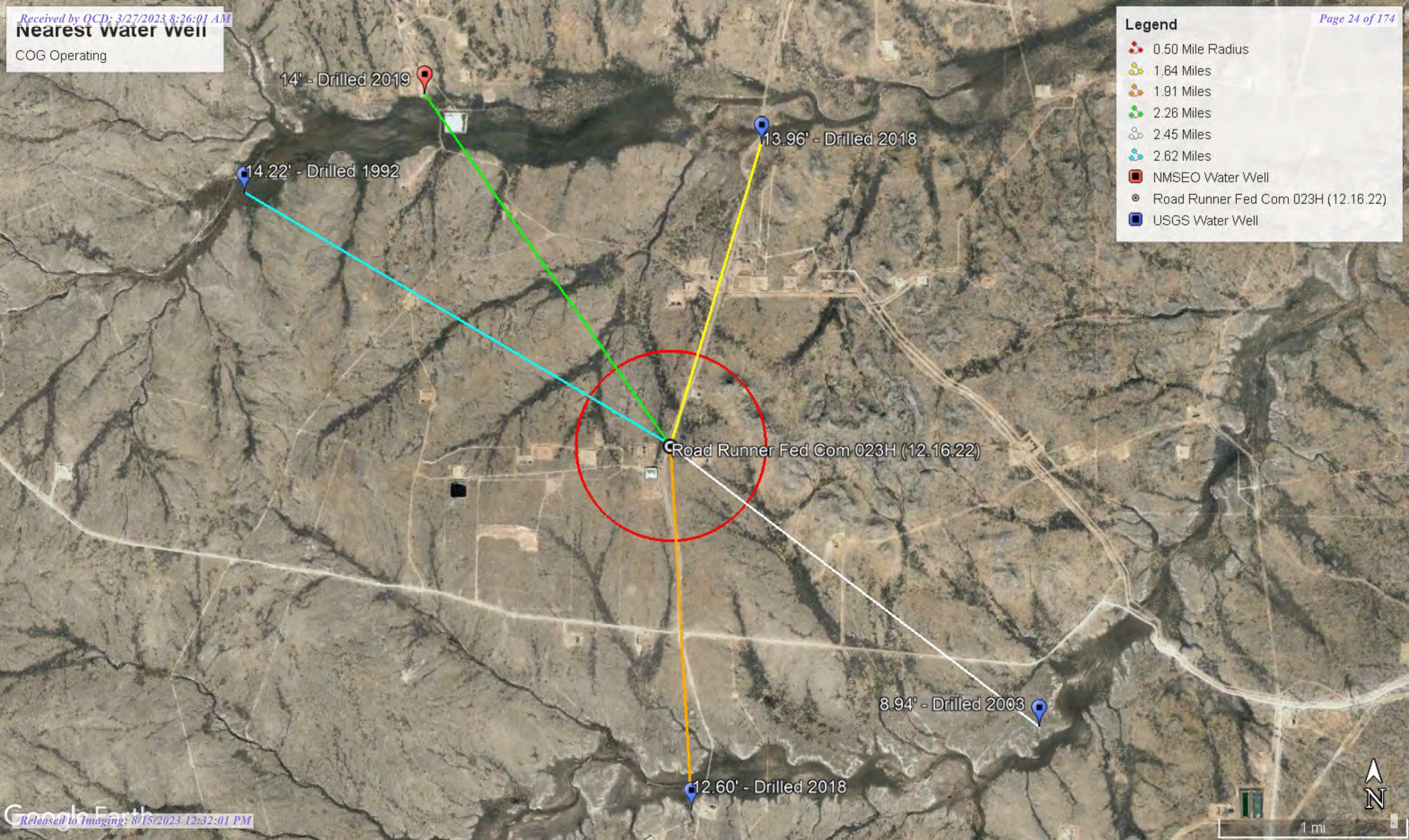


**Nearest water well**

COG Operating

**Legend**

- 0.50 Mile Radius
- 1.64 Miles
- 1.91 Miles
- 2.26 Miles
- 2.45 Miles
- 2.62 Miles
- NMSEO Water Well
- Road Runner Fed Com 023H (12.16.22)
- USGS Water Well



1 mi

# High Karst

COG Operating

## Legend

-  High
-  Road Runner Fed Com 023H (12.16.22)

Road Runner Fed Com 023H (12.16.22)





# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

| POD Number                   | POD Sub-Code | basin | County | Q 64 | Q 16 | Q 4 | Sec | Tws | Rng | X      | Y        | Distance | Depth Well | Depth Water | Water Column |
|------------------------------|--------------|-------|--------|------|------|-----|-----|-----|-----|--------|----------|----------|------------|-------------|--------------|
| <a href="#">C 01013</a>      | C            |       | ED     |      |      | 4   | 25  | 25S | 26E | 571505 | 3551456* | 2021     | 245        |             |              |
| <a href="#">C 02221</a>      | CUB          |       | ED     | 4    | 3    | 2   | 25  | 25S | 26E | 571412 | 3551961* | 2463     | 35         |             |              |
| <a href="#">C 02438</a>      | CUB          |       | ED     | 4    | 2    | 3   | 12  | 26S | 26E | 571015 | 3546705* | 2916     | 30         |             |              |
| <a href="#">C 02220</a>      | CUB          |       | ED     | 3    | 1    | 2   | 26  | 25S | 26E | 569598 | 3552352* | 2959     | 35         |             |              |
| <a href="#">C 04329 POD1</a> | C            |       | ED     | 2    | 2    | 2   | 27  | 25S | 26E | 568577 | 3552567  | 3642     | 57         | 14          | 43           |
| <a href="#">C 02218</a>      | CUB          |       | ED     | 4    | 1    | 4   | 07  | 26S | 27E | 573039 | 3546725* | 3712     | 35         |             |              |

Average Depth to Water: **14 feet**

Minimum Depth: **14 feet**

Maximum Depth: **14 feet**

Record Count: 6

### UTMNAD83 Radius Search (in meters):

**Easting (X):** 570695.49

**Northing (Y):** 3549604

**Radius:** 4000

\*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

12/22/22 8:38 AM

Page 1 of 1

WATER COLUMN/ AVERAGE  
DEPTH TO WATER

|      |      |                                     |                     |                                      |                                                 |                           |        |
|------|------|-------------------------------------|---------------------|--------------------------------------|-------------------------------------------------|---------------------------|--------|
| Date | Time | ?<br>Water-level date-time accuracy | ?<br>Parameter code | Water level, feet below land surface | Water level, feet above specific vertical datum | Referenced vertical datum | ?<br>S |
|      |      |                                     |                     | Groundwater                          | New Mexico                                      | GO                        |        |

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Groundwater levels for New Mexico

Click to hide state-specific text

**i** Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs  
site\_no list =

- 320616104142801

Minimum number of levels = 1  
[Save file of selected sites](#) to local disk for future upload

USGS 320616104142801 25S.26E.25.23231

Eddy County, New Mexico  
Latitude 32°06'12.6", Longitude 104°14'33.9" NAD83  
Land-surface elevation 3,188.60 feet above NGVD29  
This well is completed in the Other aquifers (N9999OTHER) national aquifer.  
This well is completed in the Castile Formation (312CSTL) local aquifer.

Output formats

|                                    |
|------------------------------------|
| <a href="#">Table of data</a>      |
| <a href="#">Tab-separated data</a> |
| <a href="#">Graph of data</a>      |
| <a href="#">Reselect period</a>    |

| Date       | Time | ?<br>Water-level date-time accuracy | ?<br>Parameter code | Water level, feet below land surface | Water level, feet above specific vertical datum | Referenced vertical datum | ?<br>Status | ?<br>Method of measurement | ?<br>Measuring agency | ?<br>Source measur |
|------------|------|-------------------------------------|---------------------|--------------------------------------|-------------------------------------------------|---------------------------|-------------|----------------------------|-----------------------|--------------------|
| 1978-01-25 |      | D                                   | 62610               |                                      | 3184.39                                         | NGVD29                    | 1           | Z                          |                       |                    |
| 1978-01-25 |      | D                                   | 62611               |                                      | 3186.05                                         | NAVD88                    | 1           | Z                          |                       |                    |
| 1978-01-25 |      | D                                   | 72019               | 4.21                                 |                                                 |                           | 1           | Z                          |                       |                    |
| 1983-02-01 |      | D                                   | 62610               |                                      | 3185.96                                         | NGVD29                    | 1           | Z                          |                       |                    |
| 1983-02-01 |      | D                                   | 62611               |                                      | 3187.62                                         | NAVD88                    | 1           | Z                          |                       |                    |
| 1983-02-01 |      | D                                   | 72019               | 2.64                                 |                                                 |                           | 1           | Z                          |                       |                    |
| 1987-10-08 |      | D                                   | 62610               |                                      | 3185.63                                         | NGVD29                    | 1           | Z                          |                       |                    |
| 1987-10-08 |      | D                                   | 62611               |                                      | 3187.29                                         | NAVD88                    | 1           | Z                          |                       |                    |
| 1987-10-08 |      | D                                   | 72019               | 2.97                                 |                                                 |                           | 1           | Z                          |                       |                    |
| 1992-11-04 |      | D                                   | 62610               |                                      | 3186.55                                         | NGVD29                    | 1           | S                          |                       |                    |
| 1992-11-04 |      | D                                   | 62611               |                                      | 3188.21                                         | NAVD88                    | 1           | S                          |                       |                    |
| 1992-11-04 |      | D                                   | 72019               | 2.05                                 |                                                 |                           | 1           | S                          |                       |                    |
| 1998-01-07 |      | D                                   | 62610               |                                      | 3186.62                                         | NGVD29                    | 1           | S                          |                       |                    |
| 1998-01-07 |      | D                                   | 62611               |                                      | 3188.28                                         | NAVD88                    | 1           | S                          |                       |                    |
| 1998-01-07 |      | D                                   | 72019               | 1.98                                 |                                                 |                           | 1           | S                          |                       |                    |
| 2003-01-28 |      | D                                   | 62610               |                                      | 3181.38                                         | NGVD29                    | 1           | S                          | USGS                  |                    |

| Date                 | Time | Water-level date-time accuracy | Parameter code | Water level, feet below land surface | Water level, feet above specific vertical datum | Referenced vertical datum |        |
|----------------------|------|--------------------------------|----------------|--------------------------------------|-------------------------------------------------|---------------------------|--------|
| 2003-01-28           |      | D                              | 62611          | 3183.04                              | NAVD88                                          | 1                         | S USGS |
| 2003-01-28           |      | D                              | 72019          | 7.22                                 |                                                 | 1                         | S USGS |
| 2013-01-09 22:45 UTC | m    | 62610                          |                | 3177.78                              | NGVD29                                          | 1                         | S USGS |
| 2013-01-09 22:45 UTC | m    | 62611                          |                | 3179.44                              | NAVD88                                          | 1                         | S USGS |
| 2013-01-09 22:45 UTC | m    | 72019                          | 10.82          |                                      |                                                 | 1                         | S USGS |
| 2018-02-13 22:15 UTC | m    | 62610                          |                | 3174.64                              | NGVD29                                          | 1                         | S USGS |
| 2018-02-13 22:15 UTC | m    | 62611                          |                | 3176.30                              | NAVD88                                          | 1                         | S USGS |
| 2018-02-13 22:15 UTC | m    | 72019                          | 13.96          |                                      |                                                 | 1                         | S USGS |

## Explanation

| Section                        | Code   | Description                                                  |
|--------------------------------|--------|--------------------------------------------------------------|
| Water-level date-time accuracy | D      | Date is accurate to the Day                                  |
| Water-level date-time accuracy | m      | Date is accurate to the Minute                               |
| Parameter code                 | 62610  | Groundwater level above NGVD 1929, feet                      |
| Parameter code                 | 62611  | Groundwater level above NAVD 1988, feet                      |
| Parameter code                 | 72019  | Depth to water level, feet below land surface                |
| Referenced vertical datum      | NAVD88 | North American Vertical Datum of 1988                        |
| Referenced vertical datum      | NGVD29 | National Geodetic Vertical Datum of 1929                     |
| Status                         | 1      | Static                                                       |
| Method of measurement          | S      | Steel-tape measurement.                                      |
| Method of measurement          | Z      | Other.                                                       |
| Measuring agency               |        | Not determined                                               |
| Measuring agency               | USGS   | U.S. Geological Survey                                       |
| Source of measurement          |        | Not determined                                               |
| Source of measurement          | S      | Measured by personnel of reporting agency.                   |
| Water-level approval status    | A      | Approved for publication -- Processing and review completed. |

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[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

**Title: Groundwater for New Mexico: Water Levels**

**URL: [https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?site\\_no=320616104142801&agency\\_cd=USGS&format=html](https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?site_no=320616104142801&agency_cd=USGS&format=html)**

Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2022-12-22 10:46:03 EST

0.29 0.25 nadww02



|      |      |                                           |                        |                                                     |                                                                   |                                 |        |
|------|------|-------------------------------------------|------------------------|-----------------------------------------------------|-------------------------------------------------------------------|---------------------------------|--------|
| Date | Time | ?<br>Water-level<br>date-time<br>accuracy | ?<br>Parameter<br>code | Water<br>level,<br>feet<br>below<br>land<br>surface | Water<br>level,<br>feet<br>above<br>specific<br>vertical<br>datum | Referenced<br>vertical<br>datum | ?<br>S |
|      |      |                                           |                        | Groundwater                                         | New Mexico                                                        | GO                              |        |

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Groundwater levels for New Mexico

Click to hide state-specific text

**!** Important: [Next Generation Monitoring Location Page](#)

## Search Results -- 1 sites found

Agency code = usgs

site\_no list =

- 320320104145101

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

## USGS 320320104145101 26S.26E.12.34120

Eddy County, New Mexico

Latitude 32°03'09.7", Longitude 104°14'56.7" NAD83

Land-surface elevation 3,230.90 feet above NGVD29

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

### Output formats

|                                    |
|------------------------------------|
| <a href="#">Table of data</a>      |
| <a href="#">Tab-separated data</a> |
| <a href="#">Graph of data</a>      |
| <a href="#">Reselect period</a>    |

| Date       | Time      | ?<br>Water-level<br>date-time<br>accuracy | ?<br>Parameter<br>code | Water<br>level,<br>feet<br>below<br>land<br>surface | Water<br>level,<br>feet<br>above<br>specific<br>vertical<br>datum | Referenced<br>vertical<br>datum | ?<br>Status | ?<br>Method of<br>measurement | ?<br>Measuring<br>agency | ?<br>Source<br>measur |
|------------|-----------|-------------------------------------------|------------------------|-----------------------------------------------------|-------------------------------------------------------------------|---------------------------------|-------------|-------------------------------|--------------------------|-----------------------|
| 1978-01-25 |           | D                                         | 62610                  |                                                     | 3217.55                                                           | NGVD29                          | 1           | Z                             |                          |                       |
| 1978-01-25 |           | D                                         | 62611                  |                                                     | 3219.22                                                           | NAVD88                          | 1           | Z                             |                          |                       |
| 1978-01-25 |           | D                                         | 72019                  | 13.35                                               |                                                                   |                                 | 1           | Z                             |                          |                       |
| 1992-11-18 |           | D                                         | 62610                  |                                                     | 3218.87                                                           | NGVD29                          | 1           | S                             |                          |                       |
| 1992-11-18 |           | D                                         | 62611                  |                                                     | 3220.54                                                           | NAVD88                          | 1           | S                             |                          |                       |
| 1992-11-18 |           | D                                         | 72019                  | 12.03                                               |                                                                   |                                 | 1           | S                             |                          |                       |
| 1998-01-13 |           | D                                         | 62610                  |                                                     | 3215.24                                                           | NGVD29                          | 1           | S                             |                          |                       |
| 1998-01-13 |           | D                                         | 62611                  |                                                     | 3216.91                                                           | NAVD88                          | 1           | S                             |                          |                       |
| 1998-01-13 |           | D                                         | 72019                  | 15.66                                               |                                                                   |                                 | 1           | S                             |                          |                       |
| 2003-01-28 |           | D                                         | 62610                  |                                                     | 3214.44                                                           | NGVD29                          | 1           | S                             |                          | USGS                  |
| 2003-01-28 |           | D                                         | 62611                  |                                                     | 3216.11                                                           | NAVD88                          | 1           | S                             |                          | USGS                  |
| 2003-01-28 |           | D                                         | 72019                  | 16.46                                               |                                                                   |                                 | 1           | S                             |                          | USGS                  |
| 2013-01-09 | 22:10 UTC | m                                         | 62610                  |                                                     | 3213.80                                                           | NGVD29                          | 1           | S                             |                          | USGS                  |
| 2013-01-09 | 22:10 UTC | m                                         | 62611                  |                                                     | 3215.47                                                           | NAVD88                          | 1           | S                             |                          | USGS                  |
| 2013-01-09 | 22:10 UTC | m                                         | 72019                  | 17.10                                               |                                                                   |                                 | 1           | S                             |                          | USGS                  |
| 2018-02-15 | 22:14 UTC | m                                         | 62610                  |                                                     | 3218.30                                                           | NGVD29                          | 1           | S                             |                          | USGS                  |

| Date                 | Time | ?                              | ?              | Water level, feet below land surface | Water level, feet above specific vertical datum | Referenced vertical datum | ?    |
|----------------------|------|--------------------------------|----------------|--------------------------------------|-------------------------------------------------|---------------------------|------|
|                      |      | Water-level date-time accuracy | Parameter code |                                      |                                                 |                           | S    |
| 2018-02-15 22:14 UTC | m    | 62611                          | 3219.97        | NAVD88                               | 1                                               | S                         | USGS |
| 2018-02-15 22:14 UTC | m    | 72019                          | 12.60          |                                      | 1                                               | S                         | USGS |

## Explanation

| Section                        | Code   | Description                                                  |
|--------------------------------|--------|--------------------------------------------------------------|
| Water-level date-time accuracy | D      | Date is accurate to the Day                                  |
| Water-level date-time accuracy | m      | Date is accurate to the Minute                               |
| Parameter code                 | 62610  | Groundwater level above NGVD 1929, feet                      |
| Parameter code                 | 62611  | Groundwater level above NAVD 1988, feet                      |
| Parameter code                 | 72019  | Depth to water level, feet below land surface                |
| Referenced vertical datum      | NAVD88 | North American Vertical Datum of 1988                        |
| Referenced vertical datum      | NGVD29 | National Geodetic Vertical Datum of 1929                     |
| Status                         | 1      | Static                                                       |
| Method of measurement          | S      | Steel-tape measurement.                                      |
| Method of measurement          | Z      | Other.                                                       |
| Measuring agency               |        | Not determined                                               |
| Measuring agency               | USGS   | U.S. Geological Survey                                       |
| Source of measurement          |        | Not determined                                               |
| Source of measurement          | S      | Measured by personnel of reporting agency.                   |
| Water-level approval status    | A      | Approved for publication -- Processing and review completed. |

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Page Last Modified: 2022-12-22 10:48:19 EST

0.34 0.3 nadww01



# New Mexico Office of the State Engineer

## Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)  
(quarters are smallest to largest) (NAD83 UTM in meters)

| Well Tag | POD Number   | Q64 | Q16 | Q4 | Sec | Tws | Rng | X      | Y       |
|----------|--------------|-----|-----|----|-----|-----|-----|--------|---------|
| 222B5    | C 04329 POD1 | 2   | 2   | 2  | 27  | 25S | 26E | 568577 | 3552567 |

x

**Driller License:** 1348 **Driller Company:** TAYLOR WATER WELL SERVICE

**Driller Name:** CLINTON E TAYLOR

**Drill Start Date:** 06/07/2019 **Drill Finish Date:** 06/08/2019 **Plug Date:**

**Log File Date:** 06/17/2019 **PCW Rev Date:** **Source:** Shallow

**Pump Type:** **Pipe Discharge Size:** **Estimated Yield:** 100 GPM

**Casing Size:** 4.50 **Depth Well:** 57 feet **Depth Water:** 14 feet

x

| Water Bearing Stratifications: | Top | Bottom | Description   |
|--------------------------------|-----|--------|---------------|
|                                | 14  | 24     | Other/Unknown |
|                                | 24  | 57     | Other/Unknown |

x

| Casing Perforations: | Top | Bottom |
|----------------------|-----|--------|
|                      | 20  | 57     |

x

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

12/22/22 8:40 AM

POINT OF DIVERSION SUMMARY



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National Water Information System: Web Interface

USGS Water Resources

Data Category:  
Groundwater

Geographic Area:  
New Mexico

GO

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Groundwater levels for New Mexico

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Search Results -- 1 sites found

Agency code = usgs  
site\_no list =

- 320343104110201

Minimum number of levels = 1  
[Save file of selected sites](#) to local disk for future upload

USGS 320343104110201 26S.27E.08.13230

Eddy County, New Mexico  
Latitude 32°03'32.4", Longitude 104°13'03.9" NAD83  
Land-surface elevation 3,182.10 feet above NGVD29  
This well is completed in the Other aquifers (N9999OTHER) national aquifer.  
This well is completed in the Castile Formation (312CSTL) local aquifer.

Output formats

|                                    |
|------------------------------------|
| <a href="#">Table of data</a>      |
| <a href="#">Tab-separated data</a> |
| <a href="#">Graph of data</a>      |
| <a href="#">Reselect period</a>    |

| Date       | Time | ?<br>Water-level<br>date-time<br>accuracy | ?<br>Parameter<br>code | Water<br>level,<br>feet<br>below<br>land<br>surface | Water<br>level,<br>feet<br>above<br>specific<br>vertical<br>datum | Referenced<br>vertical<br>datum | ?<br>Status | ?<br>Method of<br>measurement | ?<br>Measuring<br>agency | ?<br>Source<br>measur |
|------------|------|-------------------------------------------|------------------------|-----------------------------------------------------|-------------------------------------------------------------------|---------------------------------|-------------|-------------------------------|--------------------------|-----------------------|
| 1978-01-03 |      |                                           | D 62610                |                                                     | 3164.52                                                           | NGVD29                          | 1           | Z                             |                          |                       |
| 1978-01-03 |      |                                           | D 62611                |                                                     | 3166.18                                                           | NAVD88                          | 1           | Z                             |                          |                       |
| 1978-01-03 |      |                                           | D 72019                | 17.58                                               |                                                                   |                                 | 1           | Z                             |                          |                       |
| 1983-01-05 |      |                                           | D 62610                |                                                     | 3166.54                                                           | NGVD29                          | 1           | Z                             |                          |                       |
| 1983-01-05 |      |                                           | D 62611                |                                                     | 3168.20                                                           | NAVD88                          | 1           | Z                             |                          |                       |
| 1983-01-05 |      |                                           | D 72019                | 15.56                                               |                                                                   |                                 | 1           | Z                             |                          |                       |
| 1987-10-08 |      |                                           | D 62610                |                                                     | 3167.72                                                           | NGVD29                          | 1           | Z                             |                          |                       |
| 1987-10-08 |      |                                           | D 62611                |                                                     | 3169.38                                                           | NAVD88                          | 1           | Z                             |                          |                       |
| 1987-10-08 |      |                                           | D 72019                | 14.38                                               |                                                                   |                                 | 1           | Z                             |                          |                       |
| 1992-11-04 |      |                                           | D 62610                |                                                     | 3165.85                                                           | NGVD29                          | 1           | S                             |                          |                       |
| 1992-11-04 |      |                                           | D 62611                |                                                     | 3167.51                                                           | NAVD88                          | 1           | S                             |                          |                       |
| 1992-11-04 |      |                                           | D 72019                | 16.25                                               |                                                                   |                                 | 1           | S                             |                          |                       |
| 1998-01-13 |      |                                           | D 62610                |                                                     | 3165.45                                                           | NGVD29                          | 1           | S                             |                          |                       |
| 1998-01-13 |      |                                           | D 62611                |                                                     | 3167.11                                                           | NAVD88                          | 1           | S                             |                          |                       |
| 1998-01-13 |      |                                           | D 72019                | 16.65                                               |                                                                   |                                 | 1           | S                             |                          |                       |
| 2003-01-28 |      |                                           | D 62610                |                                                     | 3164.88                                                           | NGVD29                          | 1           | S                             | USGS                     |                       |

| Date       | Time      | ?<br>Water-level<br>date-time<br>accuracy | ?<br>Parameter<br>code | Water<br>level,<br>feet<br>below<br>land<br>surface | Water<br>level,<br>feet<br>above<br>specific<br>vertical<br>datum | Referenced<br>vertical<br>datum | ?<br>Status | ?<br>Method of<br>measurement | ?<br>Measuring<br>agency | ?<br>Source<br>measur |
|------------|-----------|-------------------------------------------|------------------------|-----------------------------------------------------|-------------------------------------------------------------------|---------------------------------|-------------|-------------------------------|--------------------------|-----------------------|
| 2003-01-28 |           |                                           | D                      | 62611                                               | 3166.54                                                           | NAVD88                          | 1           | S                             | USGS                     |                       |
| 2003-01-28 |           |                                           | D                      | 72019                                               | 17.22                                                             |                                 | 1           | S                             | USGS                     |                       |
| 2013-01-09 | 21:45 UTC | m                                         | 62610                  |                                                     | 3173.16                                                           | NGVD29                          | 1           | S                             | USGS                     |                       |
| 2013-01-09 | 21:45 UTC | m                                         | 62611                  |                                                     | 3174.82                                                           | NAVD88                          | 1           | S                             | USGS                     |                       |
| 2013-01-09 | 21:45 UTC | m                                         | 72019                  | 8.94                                                |                                                                   |                                 | 1           | S                             | USGS                     |                       |

## Explanation

| Section                        | Code   | Description                                                  |
|--------------------------------|--------|--------------------------------------------------------------|
| Water-level date-time accuracy | D      | Date is accurate to the Day                                  |
| Water-level date-time accuracy | m      | Date is accurate to the Minute                               |
| Parameter code                 | 62610  | Groundwater level above NGVD 1929, feet                      |
| Parameter code                 | 62611  | Groundwater level above NAVD 1988, feet                      |
| Parameter code                 | 72019  | Depth to water level, feet below land surface                |
| Referenced vertical datum      | NAVD88 | North American Vertical Datum of 1988                        |
| Referenced vertical datum      | NGVD29 | National Geodetic Vertical Datum of 1929                     |
| Status                         | 1      | Static                                                       |
| Method of measurement          | S      | Steel-tape measurement.                                      |
| Method of measurement          | Z      | Other.                                                       |
| Measuring agency               |        | Not determined                                               |
| Measuring agency               | USGS   | U.S. Geological Survey                                       |
| Source of measurement          |        | Not determined                                               |
| Source of measurement          | S      | Measured by personnel of reporting agency.                   |
| Water-level approval status    | A      | Approved for publication -- Processing and review completed. |

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**Title: Groundwater for New Mexico: Water Levels**
**URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>**

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0.29 0.25 nadww02



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## National Water Information System: Web Interface

USGS Water Resources

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Groundwater levels for New Mexico

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### Search Results -- 1 sites found

Agency code = usgs

site\_no list =

- 320559104172201

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

### USGS 320559104172201 25S.26E.28.423113

Eddy County, New Mexico

Latitude 32°05'59", Longitude 104°17'22" NAD27

Land-surface elevation 3,283 feet above NAVD88

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

#### Output formats

|                                    |
|------------------------------------|
| <a href="#">Table of data</a>      |
| <a href="#">Tab-separated data</a> |
| <a href="#">Graph of data</a>      |
| <a href="#">Reselect period</a>    |

| Date       | Time | ?<br>Water-level<br>date-time<br>accuracy | ?<br>Parameter<br>code | Water<br>level,<br>feet<br>below<br>land<br>surface | Water<br>level,<br>feet<br>above<br>specific<br>vertical<br>datum | Referenced<br>vertical<br>datum | ?<br>Status | ?<br>Method of<br>measurement | ?<br>Measuring<br>agency | ?<br>Source of<br>measurement |
|------------|------|-------------------------------------------|------------------------|-----------------------------------------------------|-------------------------------------------------------------------|---------------------------------|-------------|-------------------------------|--------------------------|-------------------------------|
| 1983-02-01 |      |                                           | D 62610                |                                                     | 3266.82                                                           | NGVD29                          | 1           | Z                             |                          |                               |
| 1983-02-01 |      |                                           | D 62611                |                                                     | 3268.50                                                           | NAVD88                          | 1           | Z                             |                          |                               |
| 1983-02-01 |      |                                           | D 72019                | 14.50                                               |                                                                   |                                 | 1           | Z                             |                          |                               |
| 1987-10-08 |      |                                           | D 62610                |                                                     | 3268.06                                                           | NGVD29                          | 1           | Z                             |                          |                               |
| 1987-10-08 |      |                                           | D 62611                |                                                     | 3269.74                                                           | NAVD88                          | 1           | Z                             |                          |                               |
| 1987-10-08 |      |                                           | D 72019                | 13.26                                               |                                                                   |                                 | 1           | Z                             |                          |                               |
| 1992-11-19 |      |                                           | D 62610                |                                                     | 3267.10                                                           | NGVD29                          | P           | S                             |                          |                               |
| 1992-11-19 |      |                                           | D 62611                |                                                     | 3268.78                                                           | NAVD88                          | P           | S                             |                          |                               |
| 1992-11-19 |      |                                           | D 72019                | 14.22                                               |                                                                   |                                 | P           | S                             |                          |                               |

#### Explanation

| Section                        | Code  | Description                             |
|--------------------------------|-------|-----------------------------------------|
| Water-level date-time accuracy | D     | Date is accurate to the Day             |
| Parameter code                 | 62610 | Groundwater level above NGVD 1929, feet |
| Parameter code                 | 62611 | Groundwater level above NAVD 1988, feet |

| Section                     | Code   | Description                                                  |
|-----------------------------|--------|--------------------------------------------------------------|
| Parameter code              | 72019  | Depth to water level, feet below land surface                |
| Referenced vertical datum   | NAVD88 | North American Vertical Datum of 1988                        |
| Referenced vertical datum   | NGVD29 | National Geodetic Vertical Datum of 1929                     |
| Status                      | 1      | Static                                                       |
| Status                      | P      | Pumping                                                      |
| Method of measurement       | S      | Steel-tape measurement.                                      |
| Method of measurement       | Z      | Other.                                                       |
| Measuring agency            |        | Not determined                                               |
| Source of measurement       |        | Not determined                                               |
| Water-level approval status | A      | Approved for publication -- Processing and review completed. |

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**Title: Groundwater for New Mexico: Water Levels**

**URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>**

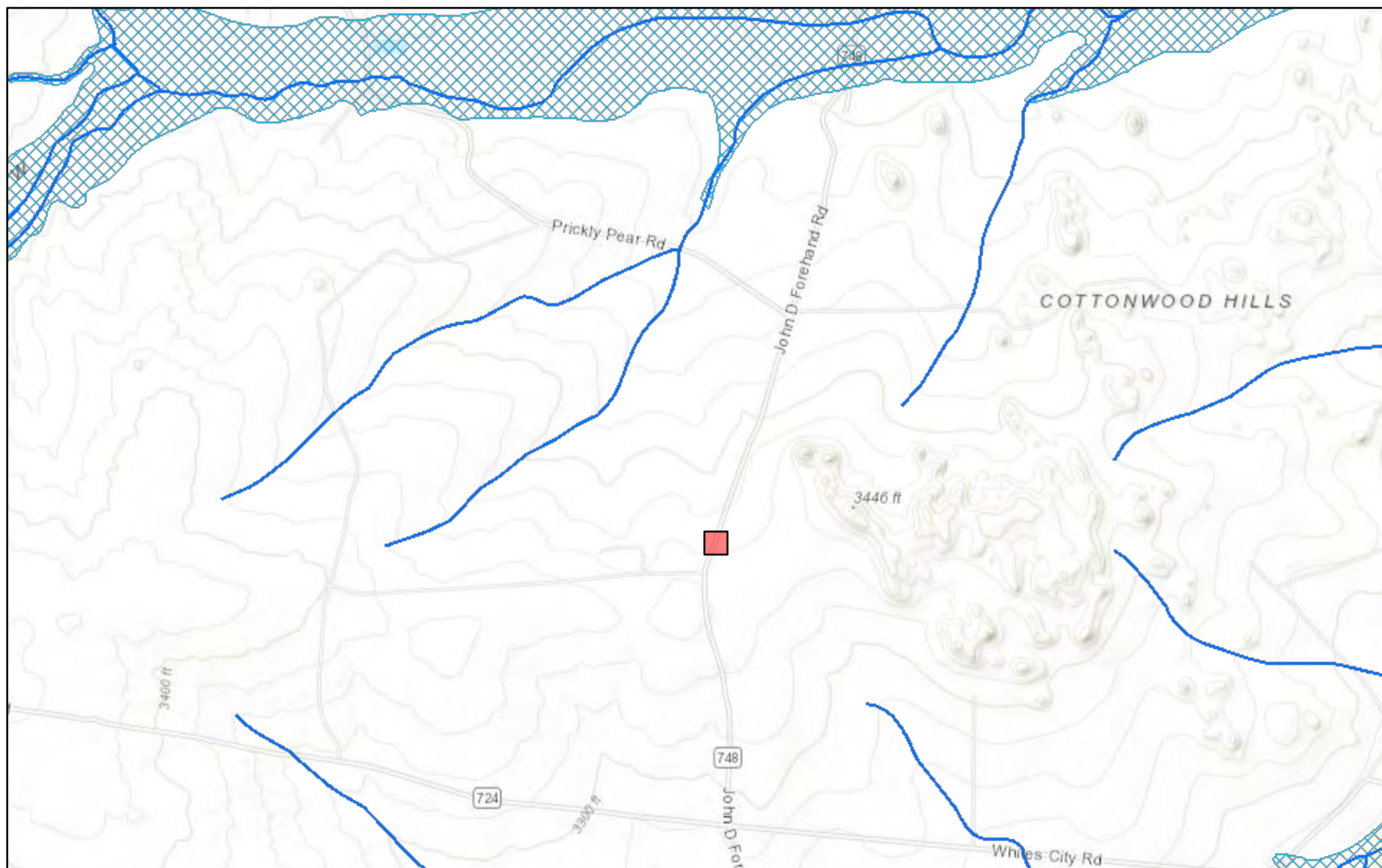


Page Contact Information: [New Mexico Water Data Maintainer](#)

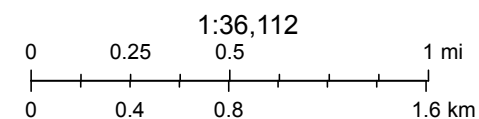
Page Last Modified: 2022-12-22 10:44:35 EST

0.3 0.26 nadww01

## New Mexico NFHL Data



December 22, 2022



FEMA, Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey,

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## APPENDIX E

CARMONA RESOURCES





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Conner Moehring  
Carmona Resources  
310 W Wall St  
Ste 415  
Midland, Texas 79701

Generated 12/30/2022 12:40:37 PM

## JOB DESCRIPTION

Road Runner Fed Com 023H (12.16.22)  
SDG NUMBER Eddy County, New Mexico

## JOB NUMBER

880-23042-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701

**Eurofins Midland****Job Notes**

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

**Authorization**

Generated  
12/30/2022 12:40:37 PM

Authorized for release by  
Jessica Kramer, Project Manager  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Laboratory Job ID: 880-23042-1  
SDG: Eddy County, New Mexico

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## Definitions/Glossary

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-23042-1  
SDG: Eddy County, New Mexico

## Qualifiers

## GC VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| S1-       | Surrogate recovery exceeds control limits, low biased.   |
| U         | Indicates the analyte was analyzed for but not detected. |

## GC Semi VOA

| Qualifier | Qualifier Description                                     |
|-----------|-----------------------------------------------------------|
| *-        | LCS and/or LCSD is outside acceptance limits, low biased. |
| U         | Indicates the analyte was analyzed for but not detected.  |

## HPLC/IC

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| U         | Indicates the analyte was analyzed for but not detected. |

## Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| α              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| SQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |

## Case Narrative

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-23042-1  
SDG: Eddy County, New Mexico

**Job ID: 880-23042-1**

**Laboratory: Eurofins Midland**

**Narrative**

**Job Narrative  
880-23042-1**

**Receipt**

The samples were received on 12/22/2022 1:34 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.5°C

**GC VOA**

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-42803 and analytical batch 880-42860 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: H-2 (0-6") (880-23042-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**GC Semi VOA**

Method 8015MOD\_NM: The laboratory control sample (LCS) associated with preparation batch 880-42626 and analytical batch 880-42660 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**HPLC/IC**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

## Client Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-23042-1  
SDG: Eddy County, New Mexico

Client Sample ID: H-1 (0-6")

Lab Sample ID: 880-23042-1

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 12/28/22 13:59 | 12/30/22 04:57 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 12/28/22 13:59 | 12/30/22 04:57 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 12/28/22 13:59 | 12/30/22 04:57 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 12/28/22 13:59 | 12/30/22 04:57 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 12/28/22 13:59 | 12/30/22 04:57 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 12/28/22 13:59 | 12/30/22 04:57 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 108       |           | 70 - 130 | 12/28/22 13:59 | 12/30/22 04:57 | 1       |
| 1,4-Difluorobenzene (Surr)  | 96        |           | 70 - 130 | 12/28/22 13:59 | 12/30/22 04:57 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 12/30/22 13:02 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 12/28/22 12:35 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U *       | 50.0 |     | mg/Kg |   | 12/27/22 08:39 | 12/27/22 18:54 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 12/27/22 08:39 | 12/27/22 18:54 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 12/27/22 08:39 | 12/27/22 18:54 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 90        |           | 70 - 130 | 12/27/22 08:39 | 12/27/22 18:54 | 1       |
| o-Terphenyl    | 89        |           | 70 - 130 | 12/27/22 08:39 | 12/27/22 18:54 | 1       |

## Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 15.1   |           | 5.03 |     | mg/Kg |   |          | 12/28/22 17:57 | 1       |

Client Sample ID: H-2 (0-6")

Lab Sample ID: 880-23042-2

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 12/28/22 13:59 | 12/30/22 05:18 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 12/28/22 13:59 | 12/30/22 05:18 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 12/28/22 13:59 | 12/30/22 05:18 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 12/28/22 13:59 | 12/30/22 05:18 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 12/28/22 13:59 | 12/30/22 05:18 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 12/28/22 13:59 | 12/30/22 05:18 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 83        |           | 70 - 130 | 12/28/22 13:59 | 12/30/22 05:18 | 1       |
| 1,4-Difluorobenzene (Surr)  | 59        | S1-       | 70 - 130 | 12/28/22 13:59 | 12/30/22 05:18 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-23042-1  
SDG: Eddy County, New Mexico

Client Sample ID: H-2 (0-6")

Lab Sample ID: 880-23042-2

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 |     | mg/Kg |   |          | 12/30/22 13:02 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 12/28/22 12:35 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U *       | 50.0     |     | mg/Kg |   | 12/27/22 08:39 | 12/27/22 19:16 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 12/27/22 08:39 | 12/27/22 19:16 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 12/27/22 08:39 | 12/27/22 19:16 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 108       |           | 70 - 130 |     |       |   | 12/27/22 08:39 | 12/27/22 19:16 | 1       |
| o-Terphenyl                          | 104       |           | 70 - 130 |     |       |   | 12/27/22 08:39 | 12/27/22 19:16 | 1       |

## Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 37.0   |           | 5.05 |     | mg/Kg |   |          | 12/28/22 17:11 | 1       |

Client Sample ID: H-3 (0-6")

Lab Sample ID: 880-23042-3

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 12/28/22 13:59 | 12/30/22 05:38 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 12/28/22 13:59 | 12/30/22 05:38 | 1       |
| Ethylbenzene                | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 12/28/22 13:59 | 12/30/22 05:38 | 1       |
| m-Xylene & p-Xylene         | <0.00402  | U         | 0.00402  |     | mg/Kg |   | 12/28/22 13:59 | 12/30/22 05:38 | 1       |
| o-Xylene                    | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 12/28/22 13:59 | 12/30/22 05:38 | 1       |
| Xylenes, Total              | <0.00402  | U         | 0.00402  |     | mg/Kg |   | 12/28/22 13:59 | 12/30/22 05:38 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 119       |           | 70 - 130 |     |       |   | 12/28/22 13:59 | 12/30/22 05:38 | 1       |
| 1,4-Difluorobenzene (Surr)  | 74        |           | 70 - 130 |     |       |   | 12/28/22 13:59 | 12/30/22 05:38 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 |     | mg/Kg |   |          | 12/30/22 13:02 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 12/28/22 12:35 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U *       | 50.0 |     | mg/Kg |   | 12/27/22 08:39 | 12/27/22 20:01 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 12/27/22 08:39 | 12/27/22 20:01 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-23042-1  
SDG: Eddy County, New Mexico

## Client Sample ID: H-3 (0-6")

## Lab Sample ID: 880-23042-3

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <50.0     | U         | 50.0     |     | mg/Kg |   | 12/27/22 08:39 | 12/27/22 20:01 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                    | 119       |           | 70 - 130 |     |       |   | 12/27/22 08:39 | 12/27/22 20:01 | 1       |
| o-Terphenyl                       | 113       |           | 70 - 130 |     |       |   | 12/27/22 08:39 | 12/27/22 20:01 | 1       |

## Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 6.61   |           | 4.99 |     | mg/Kg |   |          | 12/28/22 17:15 | 1       |

## Client Sample ID: H-4 (0-6")

## Lab Sample ID: 880-23042-4

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 12/28/22 13:59 | 12/30/22 05:59 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 12/28/22 13:59 | 12/30/22 05:59 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 12/28/22 13:59 | 12/30/22 05:59 | 1       |
| m-Xylene & p-Xylene         | <0.00401  | U         | 0.00401  |     | mg/Kg |   | 12/28/22 13:59 | 12/30/22 05:59 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 12/28/22 13:59 | 12/30/22 05:59 | 1       |
| Xylenes, Total              | <0.00401  | U         | 0.00401  |     | mg/Kg |   | 12/28/22 13:59 | 12/30/22 05:59 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 120       |           | 70 - 130 |     |       |   | 12/28/22 13:59 | 12/30/22 05:59 | 1       |
| 1,4-Difluorobenzene (Surr)  | 98        |           | 70 - 130 |     |       |   | 12/28/22 13:59 | 12/30/22 05:59 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00401 | U         | 0.00401 |     | mg/Kg |   |          | 12/30/22 13:02 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 12/28/22 12:35 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U *-      | 50.0     |     | mg/Kg |   | 12/27/22 08:39 | 12/27/22 20:23 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 12/27/22 08:39 | 12/27/22 20:23 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 12/27/22 08:39 | 12/27/22 20:23 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 107       |           | 70 - 130 |     |       |   | 12/27/22 08:39 | 12/27/22 20:23 | 1       |
| o-Terphenyl                          | 103       |           | 70 - 130 |     |       |   | 12/27/22 08:39 | 12/27/22 20:23 | 1       |

## Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 10.2   |           | 4.97 |     | mg/Kg |   |          | 12/28/22 17:29 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-23042-1  
SDG: Eddy County, New Mexico

Client Sample ID: H-5 (0-6")

Lab Sample ID: 880-23042-5

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 12/28/22 13:59 | 12/30/22 06:20 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 12/28/22 13:59 | 12/30/22 06:20 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 12/28/22 13:59 | 12/30/22 06:20 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 12/28/22 13:59 | 12/30/22 06:20 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 12/28/22 13:59 | 12/30/22 06:20 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 12/28/22 13:59 | 12/30/22 06:20 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 124       |           | 70 - 130 | 12/28/22 13:59 | 12/30/22 06:20 | 1       |
| 1,4-Difluorobenzene (Surr)  | 106       |           | 70 - 130 | 12/28/22 13:59 | 12/30/22 06:20 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 12/30/22 13:02 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 12/28/22 12:35 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U *       | 50.0 |     | mg/Kg |   | 12/27/22 08:39 | 12/27/22 20:45 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 12/27/22 08:39 | 12/27/22 20:45 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 12/27/22 08:39 | 12/27/22 20:45 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 111       |           | 70 - 130 | 12/27/22 08:39 | 12/27/22 20:45 | 1       |
| o-Terphenyl    | 109       |           | 70 - 130 | 12/27/22 08:39 | 12/27/22 20:45 | 1       |

## Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 5.53   |           | 5.05 |     | mg/Kg |   |          | 12/28/22 17:34 | 1       |

Client Sample ID: H-6 (0-6")

Lab Sample ID: 880-23042-6

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 12/28/22 13:59 | 12/30/22 06:40 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 12/28/22 13:59 | 12/30/22 06:40 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 12/28/22 13:59 | 12/30/22 06:40 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 12/28/22 13:59 | 12/30/22 06:40 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 12/28/22 13:59 | 12/30/22 06:40 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 12/28/22 13:59 | 12/30/22 06:40 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 126       |           | 70 - 130 | 12/28/22 13:59 | 12/30/22 06:40 | 1       |
| 1,4-Difluorobenzene (Surr)  | 95        |           | 70 - 130 | 12/28/22 13:59 | 12/30/22 06:40 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-23042-1  
SDG: Eddy County, New Mexico

Client Sample ID: H-6 (0-6")

Lab Sample ID: 880-23042-6

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 12/30/22 13:02 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 12/28/22 12:35 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U *-      | 49.9     |     | mg/Kg |   | 12/27/22 08:39 | 12/27/22 21:07 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 12/27/22 08:39 | 12/27/22 21:07 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 12/27/22 08:39 | 12/27/22 21:07 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 108       |           | 70 - 130 |     |       |   | 12/27/22 08:39 | 12/27/22 21:07 | 1       |
| o-Terphenyl                          | 104       |           | 70 - 130 |     |       |   | 12/27/22 08:39 | 12/27/22 21:07 | 1       |

## Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <4.98  | U         | 4.98 |     | mg/Kg |   |          | 12/28/22 17:48 | 1       |

## Surrogate Summary

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-23042-1  
SDG: Eddy County, New Mexico

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

|                                   |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-----------------------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID                     | Client Sample ID       | BFB1<br>(70-130)                               | DFBZ1<br>(70-130) |
| 880-22910-A-1-G MS                | Matrix Spike           | 103                                            | 90                |
| 880-22910-A-1-H MSD               | Matrix Spike Duplicate | 118                                            | 85                |
| 880-23042-1                       | H-1 (0-6")             | 108                                            | 96                |
| 880-23042-2                       | H-2 (0-6")             | 83                                             | 59 S1-            |
| 880-23042-3                       | H-3 (0-6")             | 119                                            | 74                |
| 880-23042-4                       | H-4 (0-6")             | 120                                            | 98                |
| 880-23042-5                       | H-5 (0-6")             | 124                                            | 106               |
| 880-23042-6                       | H-6 (0-6")             | 126                                            | 95                |
| LCS 880-42803/1-A                 | Lab Control Sample     | 103                                            | 89                |
| LCSD 880-42803/2-A                | Lab Control Sample Dup | 98                                             | 89                |
| MB 880-42803/5-A                  | Method Blank           | 104                                            | 86                |
| MB 880-42811/5-A                  | Method Blank           | 102                                            | 86                |
| <b>Surrogate Legend</b>           |                        |                                                |                   |
| BFB = 4-Bromofluorobenzene (Surr) |                        |                                                |                   |
| DFBZ = 1,4-Difluorobenzene (Surr) |                        |                                                |                   |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

|                         |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-------------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID           | Client Sample ID       | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| 880-23040-A-1-E MS      | Matrix Spike           | 111                                            | 95                |
| 880-23040-A-1-F MSD     | Matrix Spike Duplicate | 100                                            | 88                |
| 880-23042-1             | H-1 (0-6")             | 90                                             | 89                |
| 880-23042-2             | H-2 (0-6")             | 108                                            | 104               |
| 880-23042-3             | H-3 (0-6")             | 119                                            | 113               |
| 880-23042-4             | H-4 (0-6")             | 107                                            | 103               |
| 880-23042-5             | H-5 (0-6")             | 111                                            | 109               |
| 880-23042-6             | H-6 (0-6")             | 108                                            | 104               |
| LCS 880-42626/2-A       | Lab Control Sample     | 100                                            | 98                |
| LCSD 880-42626/3-A      | Lab Control Sample Dup | 96                                             | 105               |
| MB 880-42626/1-A        | Method Blank           | 100                                            | 102               |
| <b>Surrogate Legend</b> |                        |                                                |                   |
| 1CO = 1-Chlorooctane    |                        |                                                |                   |
| OTPH = o-Terphenyl      |                        |                                                |                   |

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## QC Sample Results

Client: Carmona Resources

Job ID: 880-23042-1

Project/Site: Road Runner Fed Com 023H (12.16.22)

SDG: Eddy County, New Mexico

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-42803/5-A

Matrix: Solid

Analysis Batch: 42860

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42803

| Analyte             | MB Result | MB Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 12/28/22 13:59 | 12/30/22 00:05 | 1       |
| Toluene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 12/28/22 13:59 | 12/30/22 00:05 | 1       |
| Ethylbenzene        | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 12/28/22 13:59 | 12/30/22 00:05 | 1       |
| m-Xylene & p-Xylene | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 12/28/22 13:59 | 12/30/22 00:05 | 1       |
| o-Xylene            | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 12/28/22 13:59 | 12/30/22 00:05 | 1       |
| Xylenes, Total      | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 12/28/22 13:59 | 12/30/22 00:05 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 104          |              | 70 - 130 | 12/28/22 13:59 | 12/30/22 00:05 | 1       |
| 1,4-Difluorobenzene (Surr)  | 86           |              | 70 - 130 | 12/28/22 13:59 | 12/30/22 00:05 | 1       |

Lab Sample ID: LCS 880-42803/1-A

Matrix: Solid

Analysis Batch: 42860

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42803

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene             | 0.100       | 0.09710    |               | mg/Kg |   | 97   | 70 - 130    |
| Toluene             | 0.100       | 0.09405    |               | mg/Kg |   | 94   | 70 - 130    |
| Ethylbenzene        | 0.100       | 0.08668    |               | mg/Kg |   | 87   | 70 - 130    |
| m-Xylene & p-Xylene | 0.200       | 0.1904     |               | mg/Kg |   | 95   | 70 - 130    |
| o-Xylene            | 0.100       | 0.09675    |               | mg/Kg |   | 97   | 70 - 130    |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 103           |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 89            |               | 70 - 130 |

Lab Sample ID: LCSD 880-42803/2-A

Matrix: Solid

Analysis Batch: 42860

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42803

| Analyte             | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-------|
| Benzene             | 0.100       | 0.09019     |                | mg/Kg |   | 90   | 70 - 130    | 7   | 35    |
| Toluene             | 0.100       | 0.08815     |                | mg/Kg |   | 88   | 70 - 130    | 6   | 35    |
| Ethylbenzene        | 0.100       | 0.08019     |                | mg/Kg |   | 80   | 70 - 130    | 8   | 35    |
| m-Xylene & p-Xylene | 0.200       | 0.1757      |                | mg/Kg |   | 88   | 70 - 130    | 8   | 35    |
| o-Xylene            | 0.100       | 0.08890     |                | mg/Kg |   | 89   | 70 - 130    | 8   | 35    |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 98             |                | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 89             |                | 70 - 130 |

Lab Sample ID: 880-22910-A-1-G MS

Matrix: Solid

Analysis Batch: 42860

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 42803

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Benzene | <0.00202      | U F1             | 0.0996      | 0.07615   |              | mg/Kg |   | 76   | 70 - 130    |
| Toluene | <0.00202      | U                | 0.0996      | 0.07195   |              | mg/Kg |   | 72   | 70 - 130    |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-23042-1  
SDG: Eddy County, New Mexico

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-22910-A-1-G MS

Matrix: Solid

Analysis Batch: 42860

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 42803

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene        | <0.00202      | U F1             | 0.0996      | 0.06346   | F1           | mg/Kg |   | 64   | 70 - 130    |
| m-Xylene & p-Xylene | <0.00403      | U F1             | 0.199       | 0.1371    | F1           | mg/Kg |   | 69   | 70 - 130    |
| o-Xylene            | <0.00202      | U                | 0.0996      | 0.06937   |              | mg/Kg |   | 70   | 70 - 130    |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 103          |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 90           |              | 70 - 130 |

Lab Sample ID: 880-22910-A-1-H MSD

Matrix: Solid

Analysis Batch: 42860

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 42803

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene             | <0.00202      | U F1             | 0.0990      | 0.06673    | F1            | mg/Kg |   | 67   | 70 - 130    | 13  | 35        |
| Toluene             | <0.00202      | U                | 0.0990      | 0.07020    |               | mg/Kg |   | 71   | 70 - 130    | 2   | 35        |
| Ethylbenzene        | <0.00202      | U F1             | 0.0990      | 0.07178    |               | mg/Kg |   | 72   | 70 - 130    | 12  | 35        |
| m-Xylene & p-Xylene | <0.00403      | U F1             | 0.198       | 0.1556     |               | mg/Kg |   | 79   | 70 - 130    | 13  | 35        |
| o-Xylene            | <0.00202      | U                | 0.0990      | 0.08077    |               | mg/Kg |   | 82   | 70 - 130    | 15  | 35        |

| Surrogate                   | MSD %Recovery | MSD Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 118           |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 85            |               | 70 - 130 |

Lab Sample ID: MB 880-42811/5-A

Matrix: Solid

Analysis Batch: 42860

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42811

| Analyte             | MB Result | MB Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 12/28/22 14:22 | 12/29/22 13:26 | 1       |
| Toluene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 12/28/22 14:22 | 12/29/22 13:26 | 1       |
| Ethylbenzene        | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 12/28/22 14:22 | 12/29/22 13:26 | 1       |
| m-Xylene & p-Xylene | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 12/28/22 14:22 | 12/29/22 13:26 | 1       |
| o-Xylene            | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 12/28/22 14:22 | 12/29/22 13:26 | 1       |
| Xylenes, Total      | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 12/28/22 14:22 | 12/29/22 13:26 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 102          |              | 70 - 130 | 12/28/22 14:22 | 12/29/22 13:26 | 1       |
| 1,4-Difluorobenzene (Surr)  | 86           |              | 70 - 130 | 12/28/22 14:22 | 12/29/22 13:26 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-42626/1-A

Matrix: Solid

Analysis Batch: 42660

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42626

| Analyte                              | MB Result | MB Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|--------------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U            | 50.0 |     | mg/Kg |   | 12/27/22 08:39 | 12/27/22 13:30 | 1       |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-23042-1  
SDG: Eddy County, New Mexico

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-42626/1-A

Matrix: Solid

Analysis Batch: 42660

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42626

| Analyte                              | MB<br>Result    | MB<br>Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------------|-----------------|----------|-----|-------|---|----------------|----------------|---------|
| Diesel Range Organics (Over C10-C28) | <50.0           | U               | 50.0     |     | mg/Kg |   | 12/27/22 08:39 | 12/27/22 13:30 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0           | U               | 50.0     |     | mg/Kg |   | 12/27/22 08:39 | 12/27/22 13:30 | 1       |
| Surrogate                            | MB<br>%Recovery | MB<br>Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 100             |                 | 70 - 130 |     |       |   | 12/27/22 08:39 | 12/27/22 13:30 | 1       |
| o-Terphenyl                          | 102             |                 | 70 - 130 |     |       |   | 12/27/22 08:39 | 12/27/22 13:30 | 1       |

Lab Sample ID: LCS 880-42626/2-A

Matrix: Solid

Analysis Batch: 42660

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42626

| Analyte                              | Spike<br>Added   | LCS<br>Result    | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|--------------------------------------|------------------|------------------|------------------|-------|---|------|----------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000             | 616.6            | *-               | mg/Kg |   | 62   | 70 - 130       |
| Diesel Range Organics (Over C10-C28) | 1000             | 862.0            |                  | mg/Kg |   | 86   | 70 - 130       |
| Surrogate                            | LCS<br>%Recovery | LCS<br>Qualifier | Limits           |       |   |      |                |
| 1-Chlorooctane                       | 100              |                  | 70 - 130         |       |   |      |                |
| o-Terphenyl                          | 98               |                  | 70 - 130         |       |   |      |                |

Lab Sample ID: LCSD 880-42626/3-A

Matrix: Solid

Analysis Batch: 42660

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42626

| Analyte                              | Spike<br>Added    | LCSD<br>Result    | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|--------------------------------------|-------------------|-------------------|-------------------|-------|---|------|----------------|-----|--------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000              | 681.6             | *-                | mg/Kg |   | 68   | 70 - 130       | 10  | 20           |
| Diesel Range Organics (Over C10-C28) | 1000              | 951.2             |                   | mg/Kg |   | 95   | 70 - 130       | 10  | 20           |
| Surrogate                            | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits            |       |   |      |                |     |              |
| 1-Chlorooctane                       | 96                |                   | 70 - 130          |       |   |      |                |     |              |
| o-Terphenyl                          | 105               |                   | 70 - 130          |       |   |      |                |     |              |

Lab Sample ID: 880-23040-A-1-E MS

Matrix: Solid

Analysis Batch: 42660

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 42626

| Analyte                              | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|--------------------------------------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9            | U *-                | 999            | 1195         |                 | mg/Kg |   | 120  | 70 - 130       |
| Diesel Range Organics (Over C10-C28) | 110              |                     | 999            | 1100         |                 | mg/Kg |   | 99   | 70 - 130       |
| Surrogate                            | MS<br>%Recovery  | MS<br>Qualifier     | Limits         |              |                 |       |   |      |                |
| 1-Chlorooctane                       | 111              |                     | 70 - 130       |              |                 |       |   |      |                |
| o-Terphenyl                          | 95               |                     | 70 - 130       |              |                 |       |   |      |                |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-23042-1  
SDG: Eddy County, New Mexico

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-23040-A-1-F MSD

Matrix: Solid

Analysis Batch: 42660

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 42626

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9         | U *              | 999         | 1089       |               | mg/Kg |   | 109  | 70 - 130    | 9   | 20        |
| Diesel Range Organics (Over C10-C28) | 110           |                  | 999         | 1011       |               | mg/Kg |   | 90   | 70 - 130    | 8   | 20        |
| Surrogate                            | MSD %Recovery | MSD Qualifier    | Limits      |            |               |       |   |      |             |     |           |
| 1-Chlorooctane                       | 100           |                  | 70 - 130    |            |               |       |   |      |             |     |           |
| o-Terphenyl                          | 88            |                  | 70 - 130    |            |               |       |   |      |             |     |           |

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-42528/1-A

Matrix: Solid

Analysis Batch: 42731

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB Result | MB Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|-----------|--------------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <5.00     | U            | 5.00 |     | mg/Kg |   |          | 12/28/22 15:36 | 1       |

Lab Sample ID: LCS 880-42528/2-A

Matrix: Solid

Analysis Batch: 42731

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|-------|---|------|-------------|
| Chloride | 250         | 253.8      |               | mg/Kg |   | 102  | 90 - 110    |

Lab Sample ID: LCSD 880-42528/3-A

Matrix: Solid

Analysis Batch: 42731

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Chloride | 250         | 239.3       |                | mg/Kg |   | 96   | 90 - 110    | 6   | 20        |

Lab Sample ID: 880-23042-3 MS

Matrix: Solid

Analysis Batch: 42731

Client Sample ID: H-3 (0-6")

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Chloride | 6.61          |                  | 250         | 249.8     |              | mg/Kg |   | 97   | 90 - 110    |

Lab Sample ID: 880-23042-3 MSD

Matrix: Solid

Analysis Batch: 42731

Client Sample ID: H-3 (0-6")

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Chloride | 6.61          |                  | 250         | 235.2      |               | mg/Kg |   | 92   | 90 - 110    | 6   | 20        |

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## QC Association Summary

Client: Carmona Resources

Job ID: 880-23042-1

Project/Site: Road Runner Fed Com 023H (12.16.22)

SDG: Eddy County, New Mexico

## GC VOA

## Prep Batch: 42803

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-23042-1         | H-1 (0-6")             | Total/NA  | Solid  | 5035   |            |
| 880-23042-2         | H-2 (0-6")             | Total/NA  | Solid  | 5035   |            |
| 880-23042-3         | H-3 (0-6")             | Total/NA  | Solid  | 5035   |            |
| 880-23042-4         | H-4 (0-6")             | Total/NA  | Solid  | 5035   |            |
| 880-23042-5         | H-5 (0-6")             | Total/NA  | Solid  | 5035   |            |
| 880-23042-6         | H-6 (0-6")             | Total/NA  | Solid  | 5035   |            |
| MB 880-42803/5-A    | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-42803/1-A   | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-42803/2-A  | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-22910-A-1-G MS  | Matrix Spike           | Total/NA  | Solid  | 5035   |            |
| 880-22910-A-1-H MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 5035   |            |

## Prep Batch: 42811

| Lab Sample ID    | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| MB 880-42811/5-A | Method Blank     | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 42860

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-23042-1         | H-1 (0-6")             | Total/NA  | Solid  | 8021B  | 42803      |
| 880-23042-2         | H-2 (0-6")             | Total/NA  | Solid  | 8021B  | 42803      |
| 880-23042-3         | H-3 (0-6")             | Total/NA  | Solid  | 8021B  | 42803      |
| 880-23042-4         | H-4 (0-6")             | Total/NA  | Solid  | 8021B  | 42803      |
| 880-23042-5         | H-5 (0-6")             | Total/NA  | Solid  | 8021B  | 42803      |
| 880-23042-6         | H-6 (0-6")             | Total/NA  | Solid  | 8021B  | 42803      |
| MB 880-42803/5-A    | Method Blank           | Total/NA  | Solid  | 8021B  | 42803      |
| MB 880-42811/5-A    | Method Blank           | Total/NA  | Solid  | 8021B  | 42811      |
| LCS 880-42803/1-A   | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 42803      |
| LCSD 880-42803/2-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 42803      |
| 880-22910-A-1-G MS  | Matrix Spike           | Total/NA  | Solid  | 8021B  | 42803      |
| 880-22910-A-1-H MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8021B  | 42803      |

## Analysis Batch: 42972

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 880-23042-1   | H-1 (0-6")       | Total/NA  | Solid  | Total BTEX |            |
| 880-23042-2   | H-2 (0-6")       | Total/NA  | Solid  | Total BTEX |            |
| 880-23042-3   | H-3 (0-6")       | Total/NA  | Solid  | Total BTEX |            |
| 880-23042-4   | H-4 (0-6")       | Total/NA  | Solid  | Total BTEX |            |
| 880-23042-5   | H-5 (0-6")       | Total/NA  | Solid  | Total BTEX |            |
| 880-23042-6   | H-6 (0-6")       | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Prep Batch: 42626

| Lab Sample ID    | Client Sample ID | Prep Type | Matrix | Method      | Prep Batch |
|------------------|------------------|-----------|--------|-------------|------------|
| 880-23042-1      | H-1 (0-6")       | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23042-2      | H-2 (0-6")       | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23042-3      | H-3 (0-6")       | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23042-4      | H-4 (0-6")       | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23042-5      | H-5 (0-6")       | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23042-6      | H-6 (0-6")       | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-42626/1-A | Method Blank     | Total/NA  | Solid  | 8015NM Prep |            |

Eurofins Midland

## QC Association Summary

Client: Carmona Resources

Job ID: 880-23042-1

Project/Site: Road Runner Fed Com 023H (12.16.22)

SDG: Eddy County, New Mexico

## GC Semi VOA (Continued)

## Prep Batch: 42626 (Continued)

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| LCS 880-42626/2-A   | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-42626/3-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23040-A-1-E MS  | Matrix Spike           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23040-A-1-F MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 42660

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-23042-1         | H-1 (0-6")             | Total/NA  | Solid  | 8015B NM | 42626      |
| 880-23042-2         | H-2 (0-6")             | Total/NA  | Solid  | 8015B NM | 42626      |
| 880-23042-3         | H-3 (0-6")             | Total/NA  | Solid  | 8015B NM | 42626      |
| 880-23042-4         | H-4 (0-6")             | Total/NA  | Solid  | 8015B NM | 42626      |
| 880-23042-5         | H-5 (0-6")             | Total/NA  | Solid  | 8015B NM | 42626      |
| 880-23042-6         | H-6 (0-6")             | Total/NA  | Solid  | 8015B NM | 42626      |
| MB 880-42626/1-A    | Method Blank           | Total/NA  | Solid  | 8015B NM | 42626      |
| LCS 880-42626/2-A   | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 42626      |
| LCSD 880-42626/3-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 42626      |
| 880-23040-A-1-E MS  | Matrix Spike           | Total/NA  | Solid  | 8015B NM | 42626      |
| 880-23040-A-1-F MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015B NM | 42626      |

## Analysis Batch: 42797

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-23042-1   | H-1 (0-6")       | Total/NA  | Solid  | 8015 NM |            |
| 880-23042-2   | H-2 (0-6")       | Total/NA  | Solid  | 8015 NM |            |
| 880-23042-3   | H-3 (0-6")       | Total/NA  | Solid  | 8015 NM |            |
| 880-23042-4   | H-4 (0-6")       | Total/NA  | Solid  | 8015 NM |            |
| 880-23042-5   | H-5 (0-6")       | Total/NA  | Solid  | 8015 NM |            |
| 880-23042-6   | H-6 (0-6")       | Total/NA  | Solid  | 8015 NM |            |

## HPLC/IC

## Leach Batch: 42528

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-23042-1        | H-1 (0-6")             | Soluble   | Solid  | DI Leach |            |
| 880-23042-2        | H-2 (0-6")             | Soluble   | Solid  | DI Leach |            |
| 880-23042-3        | H-3 (0-6")             | Soluble   | Solid  | DI Leach |            |
| 880-23042-4        | H-4 (0-6")             | Soluble   | Solid  | DI Leach |            |
| 880-23042-5        | H-5 (0-6")             | Soluble   | Solid  | DI Leach |            |
| 880-23042-6        | H-6 (0-6")             | Soluble   | Solid  | DI Leach |            |
| MB 880-42528/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-42528/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-42528/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-23042-3 MS     | H-3 (0-6")             | Soluble   | Solid  | DI Leach |            |
| 880-23042-3 MSD    | H-3 (0-6")             | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 42731

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 880-23042-1   | H-1 (0-6")       | Soluble   | Solid  | 300.0  | 42528      |
| 880-23042-2   | H-2 (0-6")       | Soluble   | Solid  | 300.0  | 42528      |
| 880-23042-3   | H-3 (0-6")       | Soluble   | Solid  | 300.0  | 42528      |
| 880-23042-4   | H-4 (0-6")       | Soluble   | Solid  | 300.0  | 42528      |
| 880-23042-5   | H-5 (0-6")       | Soluble   | Solid  | 300.0  | 42528      |

Eurofins Midland

## QC Association Summary

Client: Carmona Resources

Job ID: 880-23042-1

Project/Site: Road Runner Fed Com 023H (12.16.22)

SDG: Eddy County, New Mexico

## HPLC/IC (Continued)

## Analysis Batch: 42731 (Continued)

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-23042-6        | H-6 (0-6")             | Soluble   | Solid  | 300.0  | 42528      |
| MB 880-42528/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 42528      |
| LCS 880-42528/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 42528      |
| LCSD 880-42528/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 42528      |
| 880-23042-3 MS     | H-3 (0-6")             | Soluble   | Solid  | 300.0  | 42528      |
| 880-23042-3 MSD    | H-3 (0-6")             | Soluble   | Solid  | 300.0  | 42528      |

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-23042-1  
SDG: Eddy County, New Mexico

Client Sample ID: H-1 (0-6")

Lab Sample ID: 880-23042-1

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 42803        | 12/28/22 13:59       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 42860        | 12/30/22 04:57       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 42972        | 12/30/22 13:02       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 42797        | 12/28/22 12:35       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 42626        | 12/27/22 08:39       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 42660        | 12/27/22 18:54       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.97 g         | 50 mL        | 42528        | 12/22/22 14:07       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 42731        | 12/28/22 17:57       | CH      | EET MID |

Client Sample ID: H-2 (0-6")

Lab Sample ID: 880-23042-2

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 42803        | 12/28/22 13:59       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 42860        | 12/30/22 05:18       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 42972        | 12/30/22 13:02       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 42797        | 12/28/22 12:35       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 42626        | 12/27/22 08:39       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 42660        | 12/27/22 19:16       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 42528        | 12/22/22 14:07       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 42731        | 12/28/22 17:11       | CH      | EET MID |

Client Sample ID: H-3 (0-6")

Lab Sample ID: 880-23042-3

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 42803        | 12/28/22 13:59       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 42860        | 12/30/22 05:38       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 42972        | 12/30/22 13:02       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 42797        | 12/28/22 12:35       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 42626        | 12/27/22 08:39       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 42660        | 12/27/22 20:01       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 42528        | 12/22/22 14:07       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 42731        | 12/28/22 17:15       | CH      | EET MID |

Client Sample ID: H-4 (0-6")

Lab Sample ID: 880-23042-4

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 42803        | 12/28/22 13:59       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 42860        | 12/30/22 05:59       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 42972        | 12/30/22 13:02       | AJ      | EET MID |

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-23042-1  
SDG: Eddy County, New Mexico

Client Sample ID: H-4 (0-6")

Lab Sample ID: 880-23042-4

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 42797        | 12/28/22 12:35       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 42626        | 12/27/22 08:39       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 42660        | 12/27/22 20:23       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 42528        | 12/22/22 14:07       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 42731        | 12/28/22 17:29       | CH      | EET MID |

Client Sample ID: H-5 (0-6")

Lab Sample ID: 880-23042-5

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 42803        | 12/28/22 13:59       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 42860        | 12/30/22 06:20       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 42972        | 12/30/22 13:02       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 42797        | 12/28/22 12:35       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 42626        | 12/27/22 08:39       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 42660        | 12/27/22 20:45       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 42528        | 12/22/22 14:07       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 42731        | 12/28/22 17:34       | CH      | EET MID |

Client Sample ID: H-6 (0-6")

Lab Sample ID: 880-23042-6

Date Collected: 12/21/22 00:00

Matrix: Solid

Date Received: 12/22/22 13:34

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 42803        | 12/28/22 13:59       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 42860        | 12/30/22 06:40       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 42972        | 12/30/22 13:02       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 42797        | 12/28/22 12:35       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 42626        | 12/27/22 08:39       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 42660        | 12/27/22 21:07       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 42528        | 12/22/22 14:07       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 42731        | 12/28/22 17:48       | CH      | EET MID |

## Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

**Accreditation/Certification Summary**

Client: Carmona Resources

Job ID: 880-23042-1

Project/Site: Road Runner Fed Com 023H (12.16.22)

SDG: Eddy County, New Mexico

**Laboratory: Eurofins Midland**

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704400-22-25      | 06-30-23        |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte                              |
|-----------------|-------------|--------|--------------------------------------|
| 300.0           |             | Solid  | Chloride                             |
| 8015 NM         |             | Solid  | Total TPH                            |
| 8015B NM        | 8015NM Prep | Solid  | Diesel Range Organics (Over C10-C28) |
| 8015B NM        | 8015NM Prep | Solid  | Gasoline Range Organics (GRO)-C6-C10 |
| 8015B NM        | 8015NM Prep | Solid  | Oil Range Organics (Over C28-C36)    |
| 8021B           | 5035        | Solid  | Benzene                              |
| 8021B           | 5035        | Solid  | Ethylbenzene                         |
| 8021B           | 5035        | Solid  | m-Xylene & p-Xylene                  |
| 8021B           | 5035        | Solid  | o-Xylene                             |
| 8021B           | 5035        | Solid  | Toluene                              |
| 8021B           | 5035        | Solid  | Xylenes, Total                       |
| Total BTEX      |             | Solid  | Total BTEX                           |

Eurofins Midland

## Method Summary

Client: Carmona Resources

Job ID: 880-23042-1

Project/Site: Road Runner Fed Com 023H (12.16.22)

SDG: Eddy County, New Mexico

| Method      | Method Description                 | Protocol | Laboratory |
|-------------|------------------------------------|----------|------------|
| 8021B       | Volatile Organic Compounds (GC)    | SW846    | EET MID    |
| Total BTEX  | Total BTEX Calculation             | TAL SOP  | EET MID    |
| 8015 NM     | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 8015B NM    | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 300.0       | Anions, Ion Chromatography         | MCAWW    | EET MID    |
| 5035        | Closed System Purge and Trap       | SW846    | EET MID    |
| 8015NM Prep | Microextraction                    | SW846    | EET MID    |
| DI Leach    | Deionized Water Leaching Procedure | ASTM     | EET MID    |

**Protocol References:**

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

**Laboratory References:**

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

## Sample Summary

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-23042-1  
SDG: Eddy County, New Mexico

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 880-23042-1   | H-1 (0-6")       | Solid  | 12/21/22 00:00 | 12/22/22 13:34 |
| 880-23042-2   | H-2 (0-6")       | Solid  | 12/21/22 00:00 | 12/22/22 13:34 |
| 880-23042-3   | H-3 (0-6")       | Solid  | 12/21/22 00:00 | 12/22/22 13:34 |
| 880-23042-4   | H-4 (0-6")       | Solid  | 12/21/22 00:00 | 12/22/22 13:34 |
| 880-23042-5   | H-5 (0-6")       | Solid  | 12/21/22 00:00 | 12/22/22 13:34 |
| 880-23042-6   | H-6 (0-6")       | Solid  | 12/21/22 00:00 | 12/22/22 13:34 |

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Work Order No: 230412

Page 1 of 1

|                 |                       |                        |                                  |
|-----------------|-----------------------|------------------------|----------------------------------|
| Project Manager | Conner Moehring       | Bill to (if different) | Jacqui Harris                    |
| Company Name    | Carmona Resources     | Company Name           | COG                              |
| Address         | 310 W Wall St Ste 415 | Address                | 15 W London Rd                   |
| City, State ZIP | Midland, TX 79701     | City, State ZIP        | Loving, NM 88258                 |
| Phone           | 432-813-6823          | Email                  | jacqui.harris@conocophillips.com |

|                     |                                                                                                                                                            |
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| Work Order Comments |                                                                                                                                                            |
| Program: UST/PST    | PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> Superfund <input type="checkbox"/>                           |
| State of Project:   |                                                                                                                                                            |
| Reporting Level II  | <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/> |
| Deliverables EDD    | <input type="checkbox"/> ADAPT <input type="checkbox"/> Other                                                                                              |

|                       |                                     |                                                                     |                                                                           |            |                                                                     |            |                                                              |   |  |  |  |  |  |  |                    |                                               |                           |  |   |   |   |
|-----------------------|-------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------|------------|---------------------------------------------------------------------|------------|--------------------------------------------------------------|---|--|--|--|--|--|--|--------------------|-----------------------------------------------|---------------------------|--|---|---|---|
| Project Name          | Road Runner Fed Com 023H (12 16 22) | Turn Around                                                         | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush | Pres. Code | ANALYSIS REQUEST                                                    |            |                                                              |   |  |  |  |  |  |  | Preservative Codes |                                               |                           |  |   |   |   |
| Project Number        | 1212                                |                                                                     |                                                                           |            |                                                                     |            |                                                              |   |  |  |  |  |  |  |                    | None NO                                       | DI Water H <sub>2</sub> O |  |   |   |   |
| Project Location      | Eddy County, New Mexico             | Due Date                                                            | 72 hrs                                                                    |            |                                                                     |            |                                                              |   |  |  |  |  |  |  |                    | Cool Cool                                     | MeOH Me                   |  |   |   |   |
| Sampler's Name        | CRM                                 |                                                                     |                                                                           |            |                                                                     |            |                                                              |   |  |  |  |  |  |  |                    | HCL, HC                                       | HNO <sub>3</sub> HN       |  |   |   |   |
| PO #                  |                                     |                                                                     |                                                                           |            |                                                                     |            |                                                              |   |  |  |  |  |  |  |                    | H <sub>2</sub> SO <sub>4</sub> H <sub>2</sub> | NaOH Na                   |  |   |   |   |
| SAMPLE RECEIPT        | Temp Blank                          | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>       | Wet Ice    | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Parameters |                                                              |   |  |  |  |  |  |  |                    |                                               |                           |  |   |   |   |
|                       | Received Intact                     | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Thermometer ID                                                            |            |                                                                     |            |                                                              |   |  |  |  |  |  |  |                    |                                               |                           |  |   |   |   |
|                       | Cooler Custody Seals                | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Correction Factor                                                         |            |                                                                     |            |                                                              |   |  |  |  |  |  |  |                    |                                               |                           |  |   |   |   |
|                       | Sample Custody Seals                | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Temperature Reading                                                       |            |                                                                     |            |                                                              |   |  |  |  |  |  |  |                    |                                               |                           |  |   |   |   |
| Total Containers      |                                     |                                                                     |                                                                           |            |                                                                     |            |                                                              |   |  |  |  |  |  |  |                    |                                               |                           |  |   |   |   |
| Sample Identification | Date                                | Time                                                                | Soil                                                                      | Water      | Grab/Comp                                                           | # of Cont  | BTEX 8021B<br>TPH 8015M ( GRO + DRO + MRO)<br>Chloride 300.0 |   |  |  |  |  |  |  |                    |                                               | Sample Comments           |  |   |   |   |
|                       | H-1 (0-6")                          | 12/21/2022                                                          |                                                                           |            | G                                                                   | 1          |                                                              |   |  |  |  |  |  |  |                    |                                               |                           |  | X | X | X |
|                       | H-2 (0-6")                          | 12/21/2022                                                          |                                                                           |            | G                                                                   | 1          |                                                              |   |  |  |  |  |  |  |                    |                                               |                           |  | X | X | X |
|                       | H-3 (0-6")                          | 12/21/2022                                                          |                                                                           |            | G                                                                   | 1          |                                                              |   |  |  |  |  |  |  |                    |                                               |                           |  | X | X | X |
|                       | H-4 (0-6")                          | 12/21/2022                                                          |                                                                           |            | G                                                                   | 1          |                                                              |   |  |  |  |  |  |  |                    |                                               |                           |  | X | X | X |
|                       | H-5 (0-6")                          | 12/21/2022                                                          |                                                                           |            | G                                                                   | 1          |                                                              |   |  |  |  |  |  |  |                    |                                               |                           |  | X | X | X |
| H-6 (0-6")            | 12/21/2022                          |                                                                     |                                                                           | G          | 1                                                                   | X          | X                                                            | X |  |  |  |  |  |  |                    |                                               |                           |  |   |   |   |

Comments: Email to Mike Carmona / mcarmona@carmonaresources.com and Conner Moehring / cmoehring@carmonaresources.com



|                             |            |                         |           |
|-----------------------------|------------|-------------------------|-----------|
| Relinquished by (Signature) | Date/Time  | Received by (Signature) | Date/Time |
| <i>Michael Hest</i>         | 12/22 1:34 | <i>[Signature]</i>      |           |

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Work Order No: 22842

12/30/2022

|                 |                       |                        |                                  |
|-----------------|-----------------------|------------------------|----------------------------------|
| Project Manager | Conner Moehring       | Bill to (if different) | Jacqui Harris                    |
| Company Name    | Carmora Resources     | Company Name           | COG                              |
| Address         | 310 W Wall St Ste 415 | Address                | 15 W London Rd                   |
| City, State ZIP | Midland, TX 79701     | City, State ZIP        | Loving, NM 88258                 |
| Phone           | 432-813-6823          | Email                  | jacqui.harris@conocophillips.com |

|                     |                                                                                                                                                            |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Work Order Comments |                                                                                                                                                            |
| Program: UST/PST    | <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Spentfund <input type="checkbox"/> |
| State of Project:   |                                                                                                                                                            |
| Reporting Level II  | <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/> |
| Deliverables EDD    | <input type="checkbox"/> ADAPT <input type="checkbox"/> Other                                                                                              |

| Project Name          |                         | Road Runner Fed Com 023H (12 16 22) |                                          | Turn Around |        | ANALYSIS REQUEST |       |           |           |   |   |   |  |  |  |                                               |                           | Preservative Codes                                              |  |  |  |                 |
|-----------------------|-------------------------|-------------------------------------|------------------------------------------|-------------|--------|------------------|-------|-----------|-----------|---|---|---|--|--|--|-----------------------------------------------|---------------------------|-----------------------------------------------------------------|--|--|--|-----------------|
| Project Number        | 1212                    | <input type="checkbox"/> Routine    | <input checked="" type="checkbox"/> Rush | Pres. Code  |        |                  |       |           |           |   |   |   |  |  |  | None NO                                       | DI Water H <sub>2</sub> O |                                                                 |  |  |  |                 |
| Project Location      | Eddy County, New Mexico | Due Date                            | 7/21/25                                  |             |        |                  |       |           |           |   |   |   |  |  |  | Cool Cool                                     | MeOH Me                   |                                                                 |  |  |  |                 |
| Sampler's Name        | CRM                     |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  | HCL HC                                        | HNO <sub>3</sub> HN       |                                                                 |  |  |  |                 |
| PO #                  |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  | H <sub>2</sub> SO <sub>4</sub> H <sub>2</sub> | NaOH Na                   |                                                                 |  |  |  |                 |
| SAMPLE RECEIPT        |                         | Temp Blank                          | Yes No                                   | Wet Ice     | Yes No |                  |       |           |           |   |   |   |  |  |  |                                               |                           | H <sub>3</sub> PO <sub>4</sub> HP                               |  |  |  |                 |
| Received Intact:      | Yes No                  | Thermometer ID                      |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           | NaHSO <sub>4</sub> NABIS                                        |  |  |  |                 |
| Cooler Custody Seals  | Yes No                  | Correction Factor                   |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> NaSO <sub>3</sub> |  |  |  |                 |
| Sample Custody Seals  | Yes No                  | Temperature Reading                 |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           | Zn Acetate+NaOH Zn                                              |  |  |  |                 |
| Total Containers      |                         | Corrected Temperature               |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           | NaOH+Ascorbic Acid SAPC                                         |  |  |  |                 |
| Sample Identification |                         |                                     |                                          | Date        | Time   | Soil             | Water | Grab/Comp | # of Cont |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  | Sample Comments |
| H-1 (0-6")            |                         |                                     |                                          | 12/21/2022  |        | X                |       | G         | 1         | X | X | X |  |  |  |                                               | 462                       |                                                                 |  |  |  |                 |
| H-2 (0-6")            |                         |                                     |                                          | 12/21/2022  |        | X                |       | G         | 1         | X | X | X |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
| H-3 (0-6")            |                         |                                     |                                          | 12/21/2022  |        | X                |       | G         | 1         | X | X | X |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
| H-4 (0-6")            |                         |                                     |                                          | 12/21/2022  |        | X                |       | G         | 1         | X | X | X |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
| H-5 (0-6")            |                         |                                     |                                          | 12/21/2022  |        | X                |       | G         | 1         | X | X | X |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
| H-6 (0-6")            |                         |                                     |                                          | 12/21/2022  |        | X                |       | G         | 1         | X | X | X |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |
|                       |                         |                                     |                                          |             |        |                  |       |           |           |   |   |   |  |  |  |                                               |                           |                                                                 |  |  |  |                 |



Comments: Email to Mike Carmora / Mccarmora@carmoraresources.com and Conner Moehring / Cmoehring@carmoraresources.com

|                             |           |                         |           |
|-----------------------------|-----------|-------------------------|-----------|
| Relinquished by (Signature) | Date/Time | Received by (Signature) | Date/Time |
| <i>Heard Hunt</i>           | 12/22/24  | <i>[Signature]</i>      |           |

## Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-23042-1

SDG Number: Eddy County, New Mexico

Login Number: 23042

List Number: 1

List Source: Eurofins Midland

Creator: Rodriguez, Leticia

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present.                                                                  | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information.                                | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |



Environment Testing

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Conner Moehring  
Carmona Resources  
310 W Wall St  
Ste 415  
Midland, Texas 79701

Generated 2/13/2023 1:55:33 PM Revision 1

## JOB DESCRIPTION

Road Runner Fed Com 023H (12.16.22)  
SDG NUMBER Eddy County, New Mexico

## JOB NUMBER

880-24390-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701

**Eurofins Midland****Job Notes**

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

**Authorization**

Authorized for release by  
Jessica Kramer, Project Manager  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440

Generated  
2/13/2023 1:55:33 PM  
Revision 1

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Laboratory Job ID: 880-24390-1  
SDG: Eddy County, New Mexico

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## Definitions/Glossary

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-24390-1  
SDG: Eddy County, New Mexico

## Qualifiers

## GC VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| S1-       | Surrogate recovery exceeds control limits, low biased.   |
| U         | Indicates the analyte was analyzed for but not detected. |

## GC Semi VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| S1+       | Surrogate recovery exceeds control limits, high biased.  |
| U         | Indicates the analyte was analyzed for but not detected. |

## HPLC/IC

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| U         | Indicates the analyte was analyzed for but not detected. |

## Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| α              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |

## Case Narrative

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-24390-1  
SDG: Eddy County, New Mexico

**Job ID: 880-24390-1**

**Laboratory: Eurofins Midland**

### Narrative

#### Job Narrative 880-24390-1

### REVISION

The report being provided is a revision of the original report sent on 2/9/2023. The report (revision 1) is being revised due to Per client email, requesting chloride re run on T-3 (5').

Report revision history

### Receipt

The samples were received on 2/6/2023 4:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.5°C

### Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: T-1 (0-1') (880-24390-1), T-1 (1') (880-24390-2), T-1 (2') (880-24390-3), T-1 (3') (880-24390-4), T-1 (4') (880-24390-5), T-1 (5') (880-24390-6), T-2 (0-1') (880-24390-7), T-2 (1') (880-24390-8), T-2 (2') (880-24390-9), T-2 (3') (880-24390-10), T-2 (4') (880-24390-11), T-2 (5') (880-24390-12), T-3 (0-1') (880-24390-13), T-3 (1') (880-24390-14), T-3 (2') (880-24390-15), T-3 (3') (880-24390-16), T-3 (4') (880-24390-17) and T-3 (5') (880-24390-18).

### GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-2 (3') (880-24390-10) and T-3 (5') (880-24390-18). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

### GC Semi VOA

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: (880-24390-A-1-B MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

### HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

## Client Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-24390-1  
SDG: Eddy County, New Mexico

Client Sample ID: T-1 (0-1')

Lab Sample ID: 880-24390-1

Date Collected: 02/06/23 00:00

Matrix: Solid

Date Received: 02/06/23 16:30

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 02/08/23 11:24 | 02/08/23 22:30 | 1       |
| Toluene             | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 02/08/23 11:24 | 02/08/23 22:30 | 1       |
| Ethylbenzene        | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 02/08/23 11:24 | 02/08/23 22:30 | 1       |
| m-Xylene & p-Xylene | <0.00396 | U         | 0.00396 |     | mg/Kg |   | 02/08/23 11:24 | 02/08/23 22:30 | 1       |
| o-Xylene            | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 02/08/23 11:24 | 02/08/23 22:30 | 1       |
| Xylenes, Total      | <0.00396 | U         | 0.00396 |     | mg/Kg |   | 02/08/23 11:24 | 02/08/23 22:30 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 83        |           | 70 - 130 | 02/08/23 11:24 | 02/08/23 22:30 | 1       |
| 1,4-Difluorobenzene (Surr)  | 95        |           | 70 - 130 | 02/08/23 11:24 | 02/08/23 22:30 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00396 | U         | 0.00396 |     | mg/Kg |   |          | 02/09/23 10:09 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 02/09/23 09:20 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 02/07/23 09:07 | 02/08/23 21:44 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 02/07/23 09:07 | 02/08/23 21:44 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 02/07/23 09:07 | 02/08/23 21:44 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 113       |           | 70 - 130 | 02/07/23 09:07 | 02/08/23 21:44 | 1       |
| o-Terphenyl    | 116       |           | 70 - 130 | 02/07/23 09:07 | 02/08/23 21:44 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL  | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|-----|-----|-------|---|----------|----------------|---------|
| Chloride | 8170   |           | 100 |     | mg/Kg |   |          | 02/07/23 13:51 | 20      |

Client Sample ID: T-1 (1')

Lab Sample ID: 880-24390-2

Date Collected: 02/06/23 00:00

Matrix: Solid

Date Received: 02/06/23 16:30

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 02/08/23 11:24 | 02/08/23 22:51 | 1       |
| Toluene             | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 02/08/23 11:24 | 02/08/23 22:51 | 1       |
| Ethylbenzene        | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 02/08/23 11:24 | 02/08/23 22:51 | 1       |
| m-Xylene & p-Xylene | <0.00403 | U         | 0.00403 |     | mg/Kg |   | 02/08/23 11:24 | 02/08/23 22:51 | 1       |
| o-Xylene            | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 02/08/23 11:24 | 02/08/23 22:51 | 1       |
| Xylenes, Total      | <0.00403 | U         | 0.00403 |     | mg/Kg |   | 02/08/23 11:24 | 02/08/23 22:51 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 90        |           | 70 - 130 | 02/08/23 11:24 | 02/08/23 22:51 | 1       |
| 1,4-Difluorobenzene (Surr)  | 94        |           | 70 - 130 | 02/08/23 11:24 | 02/08/23 22:51 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-24390-1  
SDG: Eddy County, New Mexico

Client Sample ID: T-1 (1')

Lab Sample ID: 880-24390-2

Date Collected: 02/06/23 00:00

Matrix: Solid

Date Received: 02/06/23 16:30

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00403 | U         | 0.00403 |     | mg/Kg |   |          | 02/09/23 10:09 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 02/09/23 09:20 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     |     | mg/Kg |   | 02/07/23 09:07 | 02/08/23 22:50 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 02/07/23 09:07 | 02/08/23 22:50 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 02/07/23 09:07 | 02/08/23 22:50 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 110       |           | 70 - 130 |     |       |   | 02/07/23 09:07 | 02/08/23 22:50 | 1       |
| o-Terphenyl                          | 116       |           | 70 - 130 |     |       |   | 02/07/23 09:07 | 02/08/23 22:50 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 7380   |           | 99.8 |     | mg/Kg |   |          | 02/07/23 13:57 | 20      |

Client Sample ID: T-1 (2')

Lab Sample ID: 880-24390-3

Date Collected: 02/06/23 00:00

Matrix: Solid

Date Received: 02/06/23 16:30

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 02/08/23 11:24 | 02/08/23 23:11 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 02/08/23 11:24 | 02/08/23 23:11 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 02/08/23 11:24 | 02/08/23 23:11 | 1       |
| m-Xylene & p-Xylene         | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 02/08/23 11:24 | 02/08/23 23:11 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 02/08/23 11:24 | 02/08/23 23:11 | 1       |
| Xylenes, Total              | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 02/08/23 11:24 | 02/08/23 23:11 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 85        |           | 70 - 130 |     |       |   | 02/08/23 11:24 | 02/08/23 23:11 | 1       |
| 1,4-Difluorobenzene (Surr)  | 70        |           | 70 - 130 |     |       |   | 02/08/23 11:24 | 02/08/23 23:11 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 |     | mg/Kg |   |          | 02/09/23 10:09 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 02/09/23 09:20 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 02/07/23 09:07 | 02/08/23 23:13 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 02/07/23 09:07 | 02/08/23 23:13 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-24390-1  
SDG: Eddy County, New Mexico

Client Sample ID: T-1 (2')

Lab Sample ID: 880-24390-3

Date Collected: 02/06/23 00:00

Matrix: Solid

Date Received: 02/06/23 16:30

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <49.9     | U         | 49.9     |     | mg/Kg |   | 02/07/23 09:07 | 02/08/23 23:13 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                    | 104       |           | 70 - 130 |     |       |   | 02/07/23 09:07 | 02/08/23 23:13 | 1       |
| o-Terphenyl                       | 115       |           | 70 - 130 |     |       |   | 02/07/23 09:07 | 02/08/23 23:13 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL  | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|-----|-----|-------|---|----------|----------------|---------|
| Chloride | 5400   |           | 100 |     | mg/Kg |   |          | 02/07/23 14:03 | 20      |

Client Sample ID: T-1 (3')

Lab Sample ID: 880-24390-4

Date Collected: 02/06/23 00:00

Matrix: Solid

Date Received: 02/06/23 16:30

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 02/08/23 11:24 | 02/08/23 23:32 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 02/08/23 11:24 | 02/08/23 23:32 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 02/08/23 11:24 | 02/08/23 23:32 | 1       |
| m-Xylene & p-Xylene         | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 02/08/23 11:24 | 02/08/23 23:32 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 02/08/23 11:24 | 02/08/23 23:32 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 02/08/23 11:24 | 02/08/23 23:32 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 83        |           | 70 - 130 |     |       |   | 02/08/23 11:24 | 02/08/23 23:32 | 1       |
| 1,4-Difluorobenzene (Surr)  | 86        |           | 70 - 130 |     |       |   | 02/08/23 11:24 | 02/08/23 23:32 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 02/09/23 10:09 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 02/09/23 09:20 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     |     | mg/Kg |   | 02/07/23 09:07 | 02/08/23 23:35 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 02/07/23 09:07 | 02/08/23 23:35 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 02/07/23 09:07 | 02/08/23 23:35 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 89        |           | 70 - 130 |     |       |   | 02/07/23 09:07 | 02/08/23 23:35 | 1       |
| o-Terphenyl                          | 101       |           | 70 - 130 |     |       |   | 02/07/23 09:07 | 02/08/23 23:35 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 4490   |           | 99.4 |     | mg/Kg |   |          | 02/07/23 14:09 | 20      |

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-24390-1  
SDG: Eddy County, New Mexico

Client Sample ID: T-1 (4')

Lab Sample ID: 880-24390-5

Date Collected: 02/06/23 00:00

Matrix: Solid

Date Received: 02/06/23 16:30

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 02/08/23 11:24 | 02/08/23 23:52 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 02/08/23 11:24 | 02/08/23 23:52 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 02/08/23 11:24 | 02/08/23 23:52 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 02/08/23 11:24 | 02/08/23 23:52 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 02/08/23 11:24 | 02/08/23 23:52 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 02/08/23 11:24 | 02/08/23 23:52 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 90        |           | 70 - 130 | 02/08/23 11:24 | 02/08/23 23:52 | 1       |
| 1,4-Difluorobenzene (Surr)  | 90        |           | 70 - 130 | 02/08/23 11:24 | 02/08/23 23:52 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 02/09/23 10:09 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 02/09/23 09:20 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 02/07/23 09:07 | 02/08/23 23:56 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 02/07/23 09:07 | 02/08/23 23:56 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 02/07/23 09:07 | 02/08/23 23:56 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 83        |           | 70 - 130 | 02/07/23 09:07 | 02/08/23 23:56 | 1       |
| o-Terphenyl    | 97        |           | 70 - 130 | 02/07/23 09:07 | 02/08/23 23:56 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 2790   |           | 99.6 |     | mg/Kg |   |          | 02/07/23 14:15 | 20      |

Client Sample ID: T-1 (5')

Lab Sample ID: 880-24390-6

Date Collected: 02/06/23 00:00

Matrix: Solid

Date Received: 02/06/23 16:30

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 00:13 | 1       |
| Toluene             | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 00:13 | 1       |
| Ethylbenzene        | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 00:13 | 1       |
| m-Xylene & p-Xylene | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 00:13 | 1       |
| o-Xylene            | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 00:13 | 1       |
| Xylenes, Total      | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 00:13 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 102       |           | 70 - 130 | 02/08/23 11:24 | 02/09/23 00:13 | 1       |
| 1,4-Difluorobenzene (Surr)  | 81        |           | 70 - 130 | 02/08/23 11:24 | 02/09/23 00:13 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-24390-1  
SDG: Eddy County, New Mexico

Client Sample ID: T-1 (5')

Lab Sample ID: 880-24390-6

Date Collected: 02/06/23 00:00

Matrix: Solid

Date Received: 02/06/23 16:30

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 |     | mg/Kg |   |          | 02/09/23 10:09 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 02/09/23 09:20 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     |     | mg/Kg |   | 02/07/23 09:07 | 02/09/23 00:17 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 02/07/23 09:07 | 02/09/23 00:17 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 02/07/23 09:07 | 02/09/23 00:17 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 102       |           | 70 - 130 |     |       |   | 02/07/23 09:07 | 02/09/23 00:17 | 1       |
| o-Terphenyl                          | 110       |           | 70 - 130 |     |       |   | 02/07/23 09:07 | 02/09/23 00:17 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 9.70   |           | 5.03 |     | mg/Kg |   |          | 02/08/23 14:19 | 1       |

Client Sample ID: T-2 (0-1')

Lab Sample ID: 880-24390-7

Date Collected: 02/06/23 00:00

Matrix: Solid

Date Received: 02/06/23 16:30

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00202  | U         | 0.00202  |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 00:33 | 1       |
| Toluene                     | <0.00202  | U         | 0.00202  |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 00:33 | 1       |
| Ethylbenzene                | <0.00202  | U         | 0.00202  |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 00:33 | 1       |
| m-Xylene & p-Xylene         | <0.00404  | U         | 0.00404  |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 00:33 | 1       |
| o-Xylene                    | <0.00202  | U         | 0.00202  |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 00:33 | 1       |
| Xylenes, Total              | <0.00404  | U         | 0.00404  |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 00:33 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 93        |           | 70 - 130 |     |       |   | 02/08/23 11:24 | 02/09/23 00:33 | 1       |
| 1,4-Difluorobenzene (Surr)  | 88        |           | 70 - 130 |     |       |   | 02/08/23 11:24 | 02/09/23 00:33 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00404 | U         | 0.00404 |     | mg/Kg |   |          | 02/09/23 10:09 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 02/09/23 09:20 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 02/07/23 09:07 | 02/09/23 00:38 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 02/07/23 09:07 | 02/09/23 00:38 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-24390-1  
SDG: Eddy County, New Mexico

Client Sample ID: T-2 (0-1')

Lab Sample ID: 880-24390-7

Date Collected: 02/06/23 00:00

Matrix: Solid

Date Received: 02/06/23 16:30

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| OII Range Organics (Over C28-C36) | <49.9     | U         | 49.9     |     | mg/Kg |   | 02/07/23 09:07 | 02/09/23 00:38 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                    | 92        |           | 70 - 130 |     |       |   | 02/07/23 09:07 | 02/09/23 00:38 | 1       |
| o-Terphenyl                       | 105       |           | 70 - 130 |     |       |   | 02/07/23 09:07 | 02/09/23 00:38 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL  | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|-----|-----|-------|---|----------|----------------|---------|
| Chloride | 5250   |           | 100 |     | mg/Kg |   |          | 02/07/23 19:29 | 20      |

Client Sample ID: T-2 (1')

Lab Sample ID: 880-24390-8

Date Collected: 02/06/23 00:00

Matrix: Solid

Date Received: 02/06/23 16:30

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 00:53 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 00:53 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 00:53 | 1       |
| m-Xylene & p-Xylene         | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 00:53 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 00:53 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 00:53 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 92        |           | 70 - 130 |     |       |   | 02/08/23 11:24 | 02/09/23 00:53 | 1       |
| 1,4-Difluorobenzene (Surr)  | 92        |           | 70 - 130 |     |       |   | 02/08/23 11:24 | 02/09/23 00:53 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 02/09/23 10:09 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 02/09/23 09:20 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     |     | mg/Kg |   | 02/07/23 09:07 | 02/09/23 01:00 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 02/07/23 09:07 | 02/09/23 01:00 | 1       |
| OII Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 02/07/23 09:07 | 02/09/23 01:00 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 95        |           | 70 - 130 |     |       |   | 02/07/23 09:07 | 02/09/23 01:00 | 1       |
| o-Terphenyl                          | 112       |           | 70 - 130 |     |       |   | 02/07/23 09:07 | 02/09/23 01:00 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 5430   |           | 99.4 |     | mg/Kg |   |          | 02/07/23 19:35 | 20      |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-24390-1  
SDG: Eddy County, New Mexico

Client Sample ID: T-2 (2')

Lab Sample ID: 880-24390-9

Date Collected: 02/06/23 00:00

Matrix: Solid

Date Received: 02/06/23 16:30

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 01:14 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 01:14 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 01:14 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 01:14 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 01:14 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 01:14 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 88        |           | 70 - 130 | 02/08/23 11:24 | 02/09/23 01:14 | 1       |
| 1,4-Difluorobenzene (Surr)  | 87        |           | 70 - 130 | 02/08/23 11:24 | 02/09/23 01:14 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 02/09/23 10:09 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 02/09/23 09:20 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 02/07/23 09:07 | 02/09/23 01:22 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 02/07/23 09:07 | 02/09/23 01:22 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 02/07/23 09:07 | 02/09/23 01:22 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 106       |           | 70 - 130 | 02/07/23 09:07 | 02/09/23 01:22 | 1       |
| o-Terphenyl    | 118       |           | 70 - 130 | 02/07/23 09:07 | 02/09/23 01:22 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL  | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|-----|-----|-------|---|----------|----------------|---------|
| Chloride | 6370   |           | 101 |     | mg/Kg |   |          | 02/07/23 19:41 | 20      |

Client Sample ID: T-2 (3')

Lab Sample ID: 880-24390-10

Date Collected: 02/06/23 00:00

Matrix: Solid

Date Received: 02/06/23 16:30

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 01:34 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 01:34 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 01:34 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 01:34 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 01:34 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 01:34 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 84        |           | 70 - 130 | 02/08/23 11:24 | 02/09/23 01:34 | 1       |
| 1,4-Difluorobenzene (Surr)  | 68        | S1-       | 70 - 130 | 02/08/23 11:24 | 02/09/23 01:34 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-24390-1  
SDG: Eddy County, New Mexico

Client Sample ID: T-2 (3')

Lab Sample ID: 880-24390-10

Date Collected: 02/06/23 00:00

Matrix: Solid

Date Received: 02/06/23 16:30

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 |     | mg/Kg |   |          | 02/09/23 10:09 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 02/09/23 09:20 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     |     | mg/Kg |   | 02/07/23 09:07 | 02/09/23 01:43 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 02/07/23 09:07 | 02/09/23 01:43 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 02/07/23 09:07 | 02/09/23 01:43 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 108       |           | 70 - 130 |     |       |   | 02/07/23 09:07 | 02/09/23 01:43 | 1       |
| o-Terphenyl                          | 119       |           | 70 - 130 |     |       |   | 02/07/23 09:07 | 02/09/23 01:43 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 5960   |           | 99.8 |     | mg/Kg |   |          | 02/07/23 19:47 | 20      |

Client Sample ID: T-2 (4')

Lab Sample ID: 880-24390-11

Date Collected: 02/06/23 00:00

Matrix: Solid

Date Received: 02/06/23 16:30

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00202  | U         | 0.00202  |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 02:57 | 1       |
| Toluene                     | <0.00202  | U         | 0.00202  |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 02:57 | 1       |
| Ethylbenzene                | <0.00202  | U         | 0.00202  |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 02:57 | 1       |
| m-Xylene & p-Xylene         | <0.00403  | U         | 0.00403  |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 02:57 | 1       |
| o-Xylene                    | <0.00202  | U         | 0.00202  |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 02:57 | 1       |
| Xylenes, Total              | <0.00403  | U         | 0.00403  |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 02:57 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 93        |           | 70 - 130 |     |       |   | 02/08/23 11:24 | 02/09/23 02:57 | 1       |
| 1,4-Difluorobenzene (Surr)  | 86        |           | 70 - 130 |     |       |   | 02/08/23 11:24 | 02/09/23 02:57 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00403 | U         | 0.00403 |     | mg/Kg |   |          | 02/09/23 10:09 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 02/09/23 09:20 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 02/07/23 09:07 | 02/09/23 02:25 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 02/07/23 09:07 | 02/09/23 02:25 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-24390-1  
SDG: Eddy County, New Mexico

Client Sample ID: T-2 (4')

Lab Sample ID: 880-24390-11

Date Collected: 02/06/23 00:00

Matrix: Solid

Date Received: 02/06/23 16:30

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <49.9     | U         | 49.9     |     | mg/Kg |   | 02/07/23 09:07 | 02/09/23 02:25 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                    | 102       |           | 70 - 130 |     |       |   | 02/07/23 09:07 | 02/09/23 02:25 | 1       |
| o-Terphenyl                       | 114       |           | 70 - 130 |     |       |   | 02/07/23 09:07 | 02/09/23 02:25 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 1500   |           | 50.1 |     | mg/Kg |   |          | 02/07/23 20:06 | 10      |

Client Sample ID: T-2 (5')

Lab Sample ID: 880-24390-12

Date Collected: 02/06/23 00:00

Matrix: Solid

Date Received: 02/06/23 16:30

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 03:17 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 03:17 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 03:17 | 1       |
| m-Xylene & p-Xylene         | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 03:17 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 03:17 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 03:17 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 87        |           | 70 - 130 |     |       |   | 02/08/23 11:24 | 02/09/23 03:17 | 1       |
| 1,4-Difluorobenzene (Surr)  | 88        |           | 70 - 130 |     |       |   | 02/08/23 11:24 | 02/09/23 03:17 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 02/09/23 10:09 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 02/09/23 09:20 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     |     | mg/Kg |   | 02/07/23 09:07 | 02/09/23 02:47 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 02/07/23 09:07 | 02/09/23 02:47 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 02/07/23 09:07 | 02/09/23 02:47 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 102       |           | 70 - 130 |     |       |   | 02/07/23 09:07 | 02/09/23 02:47 | 1       |
| o-Terphenyl                          | 110       |           | 70 - 130 |     |       |   | 02/07/23 09:07 | 02/09/23 02:47 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 26.3   |           | 5.00 |     | mg/Kg |   |          | 02/08/23 14:38 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-24390-1  
SDG: Eddy County, New Mexico

Client Sample ID: T-3 (0-1')

Lab Sample ID: 880-24390-13

Date Collected: 02/06/23 00:00

Matrix: Solid

Date Received: 02/06/23 16:30

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 03:38 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 03:38 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 03:38 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 03:38 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 03:38 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 03:38 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 91        |           | 70 - 130 | 02/08/23 11:24 | 02/09/23 03:38 | 1       |
| 1,4-Difluorobenzene (Surr)  | 91        |           | 70 - 130 | 02/08/23 11:24 | 02/09/23 03:38 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 02/09/23 10:09 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 02/09/23 09:20 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 02/07/23 09:07 | 02/09/23 03:08 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 02/07/23 09:07 | 02/09/23 03:08 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 02/07/23 09:07 | 02/09/23 03:08 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 92        |           | 70 - 130 | 02/07/23 09:07 | 02/09/23 03:08 | 1       |
| o-Terphenyl    | 107       |           | 70 - 130 | 02/07/23 09:07 | 02/09/23 03:08 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 623    |           | 50.2 |     | mg/Kg |   |          | 02/07/23 20:18 | 10      |

Client Sample ID: T-3 (1')

Lab Sample ID: 880-24390-14

Date Collected: 02/06/23 00:00

Matrix: Solid

Date Received: 02/06/23 16:30

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 03:58 | 1       |
| Toluene             | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 03:58 | 1       |
| Ethylbenzene        | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 03:58 | 1       |
| m-Xylene & p-Xylene | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 03:58 | 1       |
| o-Xylene            | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 03:58 | 1       |
| Xylenes, Total      | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 03:58 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 86        |           | 70 - 130 | 02/08/23 11:24 | 02/09/23 03:58 | 1       |
| 1,4-Difluorobenzene (Surr)  | 87        |           | 70 - 130 | 02/08/23 11:24 | 02/09/23 03:58 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-24390-1  
SDG: Eddy County, New Mexico

Client Sample ID: T-3 (1')

Lab Sample ID: 880-24390-14

Date Collected: 02/06/23 00:00

Matrix: Solid

Date Received: 02/06/23 16:30

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 |     | mg/Kg |   |          | 02/09/23 10:09 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 02/09/23 09:20 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     |     | mg/Kg |   | 02/07/23 09:07 | 02/09/23 03:30 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 02/07/23 09:07 | 02/09/23 03:30 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 02/07/23 09:07 | 02/09/23 03:30 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 89        |           | 70 - 130 |     |       |   | 02/07/23 09:07 | 02/09/23 03:30 | 1       |
| o-Terphenyl                          | 106       |           | 70 - 130 |     |       |   | 02/07/23 09:07 | 02/09/23 03:30 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 829    |           | 50.1 |     | mg/Kg |   |          | 02/07/23 20:24 | 10      |

Client Sample ID: T-3 (2')

Lab Sample ID: 880-24390-15

Date Collected: 02/06/23 00:00

Matrix: Solid

Date Received: 02/06/23 16:30

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 04:18 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 04:18 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 04:18 | 1       |
| m-Xylene & p-Xylene         | <0.00401  | U         | 0.00401  |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 04:18 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 04:18 | 1       |
| Xylenes, Total              | <0.00401  | U         | 0.00401  |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 04:18 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 87        |           | 70 - 130 |     |       |   | 02/08/23 11:24 | 02/09/23 04:18 | 1       |
| 1,4-Difluorobenzene (Surr)  | 87        |           | 70 - 130 |     |       |   | 02/08/23 11:24 | 02/09/23 04:18 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00401 | U         | 0.00401 |     | mg/Kg |   |          | 02/09/23 10:09 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 02/09/23 09:20 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 02/07/23 09:07 | 02/09/23 03:52 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 02/07/23 09:07 | 02/09/23 03:52 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-24390-1  
SDG: Eddy County, New Mexico

Client Sample ID: T-3 (2')

Lab Sample ID: 880-24390-15

Date Collected: 02/06/23 00:00

Matrix: Solid

Date Received: 02/06/23 16:30

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <50.0     | U         | 50.0     |     | mg/Kg |   | 02/07/23 09:07 | 02/09/23 03:52 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                    | 95        |           | 70 - 130 |     |       |   | 02/07/23 09:07 | 02/09/23 03:52 | 1       |
| o-Terphenyl                       | 106       |           | 70 - 130 |     |       |   | 02/07/23 09:07 | 02/09/23 03:52 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 228    |           | 5.00 |     | mg/Kg |   |          | 02/08/23 14:44 | 1       |

Client Sample ID: T-3 (3')

Lab Sample ID: 880-24390-16

Date Collected: 02/06/23 00:00

Matrix: Solid

Date Received: 02/06/23 16:30

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 04:39 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 04:39 | 1       |
| Ethylbenzene                | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 04:39 | 1       |
| m-Xylene & p-Xylene         | <0.00402  | U         | 0.00402  |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 04:39 | 1       |
| o-Xylene                    | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 04:39 | 1       |
| Xylenes, Total              | <0.00402  | U         | 0.00402  |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 04:39 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 92        |           | 70 - 130 |     |       |   | 02/08/23 11:24 | 02/09/23 04:39 | 1       |
| 1,4-Difluorobenzene (Surr)  | 85        |           | 70 - 130 |     |       |   | 02/08/23 11:24 | 02/09/23 04:39 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 |     | mg/Kg |   |          | 02/09/23 10:09 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 02/09/23 09:20 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     |     | mg/Kg |   | 02/07/23 09:07 | 02/09/23 04:13 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 02/07/23 09:07 | 02/09/23 04:13 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 02/07/23 09:07 | 02/09/23 04:13 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 90        |           | 70 - 130 |     |       |   | 02/07/23 09:07 | 02/09/23 04:13 | 1       |
| o-Terphenyl                          | 109       |           | 70 - 130 |     |       |   | 02/07/23 09:07 | 02/09/23 04:13 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 247    |           | 5.00 |     | mg/Kg |   |          | 02/08/23 14:50 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-24390-1  
SDG: Eddy County, New Mexico

Client Sample ID: T-3 (4')

Lab Sample ID: 880-24390-17

Date Collected: 02/06/23 00:00

Matrix: Solid

Date Received: 02/06/23 16:30

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 04:59 | 1       |
| Toluene             | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 04:59 | 1       |
| Ethylbenzene        | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 04:59 | 1       |
| m-Xylene & p-Xylene | <0.00396 | U         | 0.00396 |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 04:59 | 1       |
| o-Xylene            | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 04:59 | 1       |
| Xylenes, Total      | <0.00396 | U         | 0.00396 |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 04:59 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 90        |           | 70 - 130 | 02/08/23 11:24 | 02/09/23 04:59 | 1       |
| 1,4-Difluorobenzene (Surr)  | 88        |           | 70 - 130 | 02/08/23 11:24 | 02/09/23 04:59 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00396 | U         | 0.00396 |     | mg/Kg |   |          | 02/09/23 10:09 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 02/09/23 09:20 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 02/07/23 09:07 | 02/09/23 04:34 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 02/07/23 09:07 | 02/09/23 04:34 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 02/07/23 09:07 | 02/09/23 04:34 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 105       |           | 70 - 130 | 02/07/23 09:07 | 02/09/23 04:34 | 1       |
| o-Terphenyl    | 120       |           | 70 - 130 | 02/07/23 09:07 | 02/09/23 04:34 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 278    |           | 5.02 |     | mg/Kg |   |          | 02/08/23 15:09 | 1       |

Client Sample ID: T-3 (5')

Lab Sample ID: 880-24390-18

Date Collected: 02/06/23 00:00

Matrix: Solid

Date Received: 02/06/23 16:30

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 05:20 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 05:20 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 05:20 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 05:20 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 05:20 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 02/08/23 11:24 | 02/09/23 05:20 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 81        |           | 70 - 130 | 02/08/23 11:24 | 02/09/23 05:20 | 1       |
| 1,4-Difluorobenzene (Surr)  | 64        | S1-       | 70 - 130 | 02/08/23 11:24 | 02/09/23 05:20 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-24390-1  
SDG: Eddy County, New Mexico

Client Sample ID: T-3 (5')

Lab Sample ID: 880-24390-18

Date Collected: 02/06/23 00:00

Matrix: Solid

Date Received: 02/06/23 16:30

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 02/09/23 10:09 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 02/09/23 09:20 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     |     | mg/Kg |   | 02/07/23 09:07 | 02/09/23 04:56 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 02/07/23 09:07 | 02/09/23 04:56 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 02/07/23 09:07 | 02/09/23 04:56 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 87        |           | 70 - 130 |     |       |   | 02/07/23 09:07 | 02/09/23 04:56 | 1       |
| o-Terphenyl                          | 104       |           | 70 - 130 |     |       |   | 02/07/23 09:07 | 02/09/23 04:56 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 8.55   |           | 5.00 |     | mg/Kg |   |          | 02/09/23 15:29 | 1       |

# Surrogate Summary

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-24390-1  
SDG: Eddy County, New Mexico

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

|                    |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|--------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID      | Client Sample ID       | BFB1<br>(70-130)                               | DFBZ1<br>(70-130) |
| 880-24390-1        | T-1 (0-1')             | 83                                             | 95                |
| 880-24390-1 MS     | T-1 (0-1')             | 110                                            | 102               |
| 880-24390-1 MSD    | T-1 (0-1')             | 111                                            | 103               |
| 880-24390-2        | T-1 (1')               | 90                                             | 94                |
| 880-24390-3        | T-1 (2')               | 85                                             | 70                |
| 880-24390-4        | T-1 (3')               | 83                                             | 86                |
| 880-24390-5        | T-1 (4')               | 90                                             | 90                |
| 880-24390-6        | T-1 (5')               | 102                                            | 81                |
| 880-24390-7        | T-2 (0-1')             | 93                                             | 88                |
| 880-24390-8        | T-2 (1')               | 92                                             | 92                |
| 880-24390-9        | T-2 (2')               | 88                                             | 87                |
| 880-24390-10       | T-2 (3')               | 84                                             | 68 S1-            |
| 880-24390-11       | T-2 (4')               | 93                                             | 86                |
| 880-24390-12       | T-2 (5')               | 87                                             | 88                |
| 880-24390-13       | T-3 (0-1')             | 91                                             | 91                |
| 880-24390-14       | T-3 (1')               | 86                                             | 87                |
| 880-24390-15       | T-3 (2')               | 87                                             | 87                |
| 880-24390-16       | T-3 (3')               | 92                                             | 85                |
| 880-24390-17       | T-3 (4')               | 90                                             | 88                |
| 880-24390-18       | T-3 (5')               | 81                                             | 64 S1-            |
| LCS 880-45781/1-A  | Lab Control Sample     | 113                                            | 102               |
| LCSD 880-45781/2-A | Lab Control Sample Dup | 117                                            | 107               |
| MB 880-45754/5-A   | Method Blank           | 73                                             | 93                |
| MB 880-45781/5-A   | Method Blank           | 73                                             | 89                |

### Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

|                 |                  | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-----------------|------------------|------------------------------------------------|-------------------|
| Lab Sample ID   | Client Sample ID | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| 880-24390-1     | T-1 (0-1')       | 113                                            | 116               |
| 880-24390-1 MS  | T-1 (0-1')       | 131 S1+                                        | 113               |
| 880-24390-1 MSD | T-1 (0-1')       | 128                                            | 110               |
| 880-24390-2     | T-1 (1')         | 110                                            | 116               |
| 880-24390-3     | T-1 (2')         | 104                                            | 115               |
| 880-24390-4     | T-1 (3')         | 89                                             | 101               |
| 880-24390-5     | T-1 (4')         | 83                                             | 97                |
| 880-24390-6     | T-1 (5')         | 102                                            | 110               |
| 880-24390-7     | T-2 (0-1')       | 92                                             | 105               |
| 880-24390-8     | T-2 (1')         | 95                                             | 112               |
| 880-24390-9     | T-2 (2')         | 106                                            | 118               |
| 880-24390-10    | T-2 (3')         | 108                                            | 119               |
| 880-24390-11    | T-2 (4')         | 102                                            | 114               |
| 880-24390-12    | T-2 (5')         | 102                                            | 110               |
| 880-24390-13    | T-3 (0-1')       | 92                                             | 107               |

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## Surrogate Summary

Client: Carmona Resources

Job ID: 880-24390-1

Project/Site: Road Runner Fed Com 023H (12.16.22)

SDG: Eddy County, New Mexico

**Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)****Matrix: Solid****Prep Type: Total/NA****Percent Surrogate Recovery (Acceptance Limits)**

| Lab Sample ID      | Client Sample ID       | 1CO1<br>(70-130) | OTPH1<br>(70-130) |
|--------------------|------------------------|------------------|-------------------|
| 880-24390-14       | T-3 (1')               | 89               | 106               |
| 880-24390-15       | T-3 (2')               | 95               | 106               |
| 880-24390-16       | T-3 (3')               | 90               | 109               |
| 880-24390-17       | T-3 (4')               | 105              | 120               |
| 880-24390-18       | T-3 (5')               | 87               | 104               |
| LCS 880-45651/2-A  | Lab Control Sample     | 98               | 112               |
| LCSD 880-45651/3-A | Lab Control Sample Dup | 113              | 110               |
| MB 880-45651/1-A   | Method Blank           | 117              | 128               |

**Surrogate Legend**

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

## QC Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-24390-1  
SDG: Eddy County, New Mexico

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-45754/5-A

Matrix: Solid

Analysis Batch: 45738

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45754

| Analyte             | MB Result | MB Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 02/08/23 08:59 | 02/08/23 11:33 | 1       |
| Toluene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 02/08/23 08:59 | 02/08/23 11:33 | 1       |
| Ethylbenzene        | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 02/08/23 08:59 | 02/08/23 11:33 | 1       |
| m-Xylene & p-Xylene | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 02/08/23 08:59 | 02/08/23 11:33 | 1       |
| o-Xylene            | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 02/08/23 08:59 | 02/08/23 11:33 | 1       |
| Xylenes, Total      | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 02/08/23 08:59 | 02/08/23 11:33 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 73           |              | 70 - 130 | 02/08/23 08:59 | 02/08/23 11:33 | 1       |
| 1,4-Difluorobenzene (Surr)  | 93           |              | 70 - 130 | 02/08/23 08:59 | 02/08/23 11:33 | 1       |

Lab Sample ID: MB 880-45781/5-A

Matrix: Solid

Analysis Batch: 45738

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45781

| Analyte             | MB Result | MB Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 02/08/23 11:24 | 02/08/23 22:09 | 1       |
| Toluene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 02/08/23 11:24 | 02/08/23 22:09 | 1       |
| Ethylbenzene        | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 02/08/23 11:24 | 02/08/23 22:09 | 1       |
| m-Xylene & p-Xylene | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 02/08/23 11:24 | 02/08/23 22:09 | 1       |
| o-Xylene            | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 02/08/23 11:24 | 02/08/23 22:09 | 1       |
| Xylenes, Total      | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 02/08/23 11:24 | 02/08/23 22:09 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 73           |              | 70 - 130 | 02/08/23 11:24 | 02/08/23 22:09 | 1       |
| 1,4-Difluorobenzene (Surr)  | 89           |              | 70 - 130 | 02/08/23 11:24 | 02/08/23 22:09 | 1       |

Lab Sample ID: LCS 880-45781/1-A

Matrix: Solid

Analysis Batch: 45738

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 45781

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene             | 0.100       | 0.08859    |               | mg/Kg |   | 89   | 70 - 130    |
| Toluene             | 0.100       | 0.09172    |               | mg/Kg |   | 92   | 70 - 130    |
| Ethylbenzene        | 0.100       | 0.09611    |               | mg/Kg |   | 96   | 70 - 130    |
| m-Xylene & p-Xylene | 0.200       | 0.2065     |               | mg/Kg |   | 103  | 70 - 130    |
| o-Xylene            | 0.100       | 0.1039     |               | mg/Kg |   | 104  | 70 - 130    |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 113           |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 102           |               | 70 - 130 |

Lab Sample ID: LCSD 880-45781/2-A

Matrix: Solid

Analysis Batch: 45738

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 45781

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Benzene | 0.100       | 0.09981     |                | mg/Kg |   | 100  | 70 - 130    | 12  | 35        |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-24390-1  
SDG: Eddy County, New Mexico

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-45781/2-A

Matrix: Solid

Analysis Batch: 45738

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 45781

| Analyte             | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Toluene             | 0.100       | 0.09894     |                | mg/Kg |   | 99   | 70 - 130    | 8   | 35        |
| Ethylbenzene        | 0.100       | 0.1027      |                | mg/Kg |   | 103  | 70 - 130    | 7   | 35        |
| m-Xylene & p-Xylene | 0.200       | 0.2227      |                | mg/Kg |   | 111  | 70 - 130    | 8   | 35        |
| o-Xylene            | 0.100       | 0.1119      |                | mg/Kg |   | 112  | 70 - 130    | 7   | 35        |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 117            |                | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 107            |                | 70 - 130 |

Lab Sample ID: 880-24390-1 MS

Matrix: Solid

Analysis Batch: 45738

Client Sample ID: T-1 (0-1')

Prep Type: Total/NA

Prep Batch: 45781

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Benzene             | <0.00198      | U                | 0.100       | 0.09130   |              | mg/Kg |   | 91   | 70 - 130    |
| Toluene             | <0.00198      | U                | 0.100       | 0.09158   |              | mg/Kg |   | 91   | 70 - 130    |
| Ethylbenzene        | <0.00198      | U                | 0.100       | 0.09011   |              | mg/Kg |   | 90   | 70 - 130    |
| m-Xylene & p-Xylene | <0.00396      | U                | 0.200       | 0.1912    |              | mg/Kg |   | 95   | 70 - 130    |
| o-Xylene            | <0.00198      | U                | 0.100       | 0.09536   |              | mg/Kg |   | 95   | 70 - 130    |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 110          |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 102          |              | 70 - 130 |

Lab Sample ID: 880-24390-1 MSD

Matrix: Solid

Analysis Batch: 45738

Client Sample ID: T-1 (0-1')

Prep Type: Total/NA

Prep Batch: 45781

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene             | <0.00198      | U                | 0.100       | 0.1005     |               | mg/Kg |   | 100  | 70 - 130    | 10  | 35        |
| Toluene             | <0.00198      | U                | 0.100       | 0.09817    |               | mg/Kg |   | 98   | 70 - 130    | 7   | 35        |
| Ethylbenzene        | <0.00198      | U                | 0.100       | 0.09935    |               | mg/Kg |   | 99   | 70 - 130    | 10  | 35        |
| m-Xylene & p-Xylene | <0.00396      | U                | 0.200       | 0.2129     |               | mg/Kg |   | 106  | 70 - 130    | 11  | 35        |
| o-Xylene            | <0.00198      | U                | 0.100       | 0.1057     |               | mg/Kg |   | 105  | 70 - 130    | 10  | 35        |

| Surrogate                   | MSD %Recovery | MSD Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 111           |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 103           |               | 70 - 130 |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-45651/1-A

Matrix: Solid

Analysis Batch: 45733

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45651

| Analyte                              | MB Result | MB Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|--------------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U            | 50.0 |     | mg/Kg |   | 02/07/23 09:07 | 02/08/23 20:37 | 1       |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-24390-1  
SDG: Eddy County, New Mexico

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-45651/1-A

Matrix: Solid

Analysis Batch: 45733

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45651

| Analyte                              | MB Result    | MB Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------------|--------------|----------|-----|-------|---|----------------|----------------|---------|
| Diesel Range Organics (Over C10-C28) | <50.0        | U            | 50.0     |     | mg/Kg |   | 02/07/23 09:07 | 02/08/23 20:37 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0        | U            | 50.0     |     | mg/Kg |   | 02/07/23 09:07 | 02/08/23 20:37 | 1       |
| Surrogate                            | MB %Recovery | MB Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 117          |              | 70 - 130 |     |       |   | 02/07/23 09:07 | 02/08/23 20:37 | 1       |
| o-Terphenyl                          | 128          |              | 70 - 130 |     |       |   | 02/07/23 09:07 | 02/08/23 20:37 | 1       |

Lab Sample ID: LCS 880-45651/2-A

Matrix: Solid

Analysis Batch: 45733

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 45651

| Analyte                              | Spike Added   | LCS Result    | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |  |
|--------------------------------------|---------------|---------------|---------------|-------|---|------|-------------|--|
| Gasoline Range Organics (GRO)-C6-C10 | 1000          | 852.5         |               | mg/Kg |   | 85   | 70 - 130    |  |
| Diesel Range Organics (Over C10-C28) | 1000          | 998.2         |               | mg/Kg |   | 100  | 70 - 130    |  |
| Surrogate                            | LCS %Recovery | LCS Qualifier | Limits        |       |   |      |             |  |
| 1-Chlorooctane                       | 98            |               | 70 - 130      |       |   |      |             |  |
| o-Terphenyl                          | 112           |               | 70 - 130      |       |   |      |             |  |

Lab Sample ID: LCSD 880-45651/3-A

Matrix: Solid

Analysis Batch: 45733

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 45651

| Analyte                              | Spike Added    | LCSD Result    | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|----------------|----------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000           | 923.3          |                | mg/Kg |   | 92   | 70 - 130    | 8   | 20        |
| Diesel Range Organics (Over C10-C28) | 1000           | 992.9          |                | mg/Kg |   | 99   | 70 - 130    | 1   | 20        |
| Surrogate                            | LCSD %Recovery | LCSD Qualifier | Limits         |       |   |      |             |     |           |
| 1-Chlorooctane                       | 113            |                | 70 - 130       |       |   |      |             |     |           |
| o-Terphenyl                          | 110            |                | 70 - 130       |       |   |      |             |     |           |

Lab Sample ID: 880-24390-1 MS

Matrix: Solid

Analysis Batch: 45733

Client Sample ID: T-1 (0-1')

Prep Type: Total/NA

Prep Batch: 45651

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |  |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|--|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0         | U                | 999         | 1023      |              | mg/Kg |   | 99   | 70 - 130    |  |
| Diesel Range Organics (Over C10-C28) | <50.0         | U                | 999         | 1047      |              | mg/Kg |   | 105  | 70 - 130    |  |
| Surrogate                            | MS %Recovery  | MS Qualifier     | Limits      |           |              |       |   |      |             |  |
| 1-Chlorooctane                       | 131           | S1+              | 70 - 130    |           |              |       |   |      |             |  |
| o-Terphenyl                          | 113           |                  | 70 - 130    |           |              |       |   |      |             |  |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-24390-1  
SDG: Eddy County, New Mexico

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-24390-1 MSD

Matrix: Solid

Analysis Batch: 45733

Client Sample ID: T-1 (0-1')

Prep Type: Total/NA

Prep Batch: 45651

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0         | U                | 998         | 1020       |               | mg/Kg |   | 99   | 70 - 130    | 0   | 20        |
| Diesel Range Organics (Over C10-C28) | <50.0         | U                | 998         | 1011       |               | mg/Kg |   | 101  | 70 - 130    | 4   | 20        |
| Surrogate                            | MSD %Recovery | MSD Qualifier    | Limits      |            |               |       |   |      |             |     |           |
| 1-Chlorooctane                       | 128           |                  | 70 - 130    |            |               |       |   |      |             |     |           |
| o-Terphenyl                          | 110           |                  | 70 - 130    |            |               |       |   |      |             |     |           |

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-45656/1-A

Matrix: Solid

Analysis Batch: 45697

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB Result | MB Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|-----------|--------------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <5.00     | U            | 5.00 |     | mg/Kg |   |          | 02/07/23 11:11 | 1       |

Lab Sample ID: LCS 880-45656/2-A

Matrix: Solid

Analysis Batch: 45697

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|-------|---|------|-------------|
| Chloride | 250         | 229.9      |               | mg/Kg |   | 92   | 90 - 110    |

Lab Sample ID: LCSD 880-45656/3-A

Matrix: Solid

Analysis Batch: 45697

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Chloride | 250         | 236.4       |                | mg/Kg |   | 95   | 90 - 110    | 3   | 20        |

Lab Sample ID: 880-24368-A-11-C MS

Matrix: Solid

Analysis Batch: 45697

Client Sample ID: Matrix Spike

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Chloride | <5.00         | U                | 250         | 238.2     |              | mg/Kg |   | 95   | 90 - 110    |

Lab Sample ID: 880-24368-A-11-D MSD

Matrix: Solid

Analysis Batch: 45697

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Chloride | <5.00         | U                | 250         | 236.0      |               | mg/Kg |   | 94   | 90 - 110    | 1   | 20        |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-24390-1  
SDG: Eddy County, New Mexico

## Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-45657/1-A

Matrix: Solid

Analysis Batch: 45710

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <5.00        | U               | 5.00 |     | mg/Kg |   |          | 02/07/23 18:52 | 1       |

Lab Sample ID: LCS 880-45657/2-A

Matrix: Solid

Analysis Batch: 45710

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250            | 242.8         |                  | mg/Kg |   | 97   | 90 - 110       |

Lab Sample ID: LCSD 880-45657/3-A

Matrix: Solid

Analysis Batch: 45710

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 250            | 243.5          |                   | mg/Kg |   | 97   | 90 - 110       | 0   | 20           |

Lab Sample ID: 880-24390-6 MS

Matrix: Solid

Analysis Batch: 45710

Client Sample ID: T-1 (5')

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 9.70             |                     | 252            | 239.8        |                 | mg/Kg |   | 91   | 90 - 110       |

Lab Sample ID: 880-24390-6 MSD

Matrix: Solid

Analysis Batch: 45710

Client Sample ID: T-1 (5')

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 9.70             |                     | 252            | 241.1         |                  | mg/Kg |   | 92   | 90 - 110       | 1   | 20           |

Lab Sample ID: 880-24390-16 MS

Matrix: Solid

Analysis Batch: 45710

Client Sample ID: T-3 (3')

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 247              |                     | 250            | 474.1        |                 | mg/Kg |   | 91   | 90 - 110       |

Lab Sample ID: 880-24390-16 MSD

Matrix: Solid

Analysis Batch: 45710

Client Sample ID: T-3 (3')

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 247              |                     | 250            | 474.6         |                  | mg/Kg |   | 91   | 90 - 110       | 0   | 20           |

Lab Sample ID: MB 880-45858/1-A

Matrix: Solid

Analysis Batch: 45891

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <5.00        | U               | 5.00 |     | mg/Kg |   |          | 02/09/23 12:31 | 1       |

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QC Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-24390-1  
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

|                                  |             |            |               |       |                                      |      |             |  |  |
|----------------------------------|-------------|------------|---------------|-------|--------------------------------------|------|-------------|--|--|
| Lab Sample ID: LCS 880-45858/2-A |             |            |               |       | Client Sample ID: Lab Control Sample |      |             |  |  |
| Matrix: Solid                    |             |            |               |       | Prep Type: Soluble                   |      |             |  |  |
| Analysis Batch: 45891            |             |            |               |       |                                      |      |             |  |  |
| Analyte                          | Spike Added | LCS Result | LCS Qualifier | Unit  | D                                    | %Rec | %Rec Limits |  |  |
| Chloride                         | 250         | 241.5      |               | mg/Kg |                                      | 97   | 90 - 110    |  |  |

|                                   |             |             |                |       |                                          |      |             |     |           |
|-----------------------------------|-------------|-------------|----------------|-------|------------------------------------------|------|-------------|-----|-----------|
| Lab Sample ID: LCSD 880-45858/3-A |             |             |                |       | Client Sample ID: Lab Control Sample Dup |      |             |     |           |
| Matrix: Solid                     |             |             |                |       | Prep Type: Soluble                       |      |             |     |           |
| Analysis Batch: 45891             |             |             |                |       |                                          |      |             |     |           |
| Analyte                           | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D                                        | %Rec | %Rec Limits | RPD | RPD Limit |
| Chloride                          | 250         | 241.7       |                | mg/Kg |                                          | 97   | 90 - 110    | 0   | 20        |

## QC Association Summary

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-24390-1  
SDG: Eddy County, New Mexico

## GC VOA

## Analysis Batch: 45738

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-24390-1        | T-1 (0-1')             | Total/NA  | Solid  | 8021B  | 45781      |
| 880-24390-2        | T-1 (1')               | Total/NA  | Solid  | 8021B  | 45781      |
| 880-24390-3        | T-1 (2')               | Total/NA  | Solid  | 8021B  | 45781      |
| 880-24390-4        | T-1 (3')               | Total/NA  | Solid  | 8021B  | 45781      |
| 880-24390-5        | T-1 (4')               | Total/NA  | Solid  | 8021B  | 45781      |
| 880-24390-6        | T-1 (5')               | Total/NA  | Solid  | 8021B  | 45781      |
| 880-24390-7        | T-2 (0-1')             | Total/NA  | Solid  | 8021B  | 45781      |
| 880-24390-8        | T-2 (1')               | Total/NA  | Solid  | 8021B  | 45781      |
| 880-24390-9        | T-2 (2')               | Total/NA  | Solid  | 8021B  | 45781      |
| 880-24390-10       | T-2 (3')               | Total/NA  | Solid  | 8021B  | 45781      |
| 880-24390-11       | T-2 (4')               | Total/NA  | Solid  | 8021B  | 45781      |
| 880-24390-12       | T-2 (5')               | Total/NA  | Solid  | 8021B  | 45781      |
| 880-24390-13       | T-3 (0-1')             | Total/NA  | Solid  | 8021B  | 45781      |
| 880-24390-14       | T-3 (1')               | Total/NA  | Solid  | 8021B  | 45781      |
| 880-24390-15       | T-3 (2')               | Total/NA  | Solid  | 8021B  | 45781      |
| 880-24390-16       | T-3 (3')               | Total/NA  | Solid  | 8021B  | 45781      |
| 880-24390-17       | T-3 (4')               | Total/NA  | Solid  | 8021B  | 45781      |
| 880-24390-18       | T-3 (5')               | Total/NA  | Solid  | 8021B  | 45781      |
| MB 880-45754/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 45754      |
| MB 880-45781/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 45781      |
| LCS 880-45781/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 45781      |
| LCSD 880-45781/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 45781      |
| 880-24390-1 MS     | T-1 (0-1')             | Total/NA  | Solid  | 8021B  | 45781      |
| 880-24390-1 MSD    | T-1 (0-1')             | Total/NA  | Solid  | 8021B  | 45781      |

## Prep Batch: 45754

| Lab Sample ID    | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| MB 880-45754/5-A | Method Blank     | Total/NA  | Solid  | 5035   |            |

## Prep Batch: 45781

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 880-24390-1       | T-1 (0-1')         | Total/NA  | Solid  | 5035   |            |
| 880-24390-2       | T-1 (1')           | Total/NA  | Solid  | 5035   |            |
| 880-24390-3       | T-1 (2')           | Total/NA  | Solid  | 5035   |            |
| 880-24390-4       | T-1 (3')           | Total/NA  | Solid  | 5035   |            |
| 880-24390-5       | T-1 (4')           | Total/NA  | Solid  | 5035   |            |
| 880-24390-6       | T-1 (5')           | Total/NA  | Solid  | 5035   |            |
| 880-24390-7       | T-2 (0-1')         | Total/NA  | Solid  | 5035   |            |
| 880-24390-8       | T-2 (1')           | Total/NA  | Solid  | 5035   |            |
| 880-24390-9       | T-2 (2')           | Total/NA  | Solid  | 5035   |            |
| 880-24390-10      | T-2 (3')           | Total/NA  | Solid  | 5035   |            |
| 880-24390-11      | T-2 (4')           | Total/NA  | Solid  | 5035   |            |
| 880-24390-12      | T-2 (5')           | Total/NA  | Solid  | 5035   |            |
| 880-24390-13      | T-3 (0-1')         | Total/NA  | Solid  | 5035   |            |
| 880-24390-14      | T-3 (1')           | Total/NA  | Solid  | 5035   |            |
| 880-24390-15      | T-3 (2')           | Total/NA  | Solid  | 5035   |            |
| 880-24390-16      | T-3 (3')           | Total/NA  | Solid  | 5035   |            |
| 880-24390-17      | T-3 (4')           | Total/NA  | Solid  | 5035   |            |
| 880-24390-18      | T-3 (5')           | Total/NA  | Solid  | 5035   |            |
| MB 880-45781/5-A  | Method Blank       | Total/NA  | Solid  | 5035   |            |
| LCS 880-45781/1-A | Lab Control Sample | Total/NA  | Solid  | 5035   |            |

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-24390-1  
SDG: Eddy County, New Mexico

## GC VOA (Continued)

## Prep Batch: 45781 (Continued)

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| LCSD 880-45781/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-24390-1 MS     | T-1 (0-1')             | Total/NA  | Solid  | 5035   |            |
| 880-24390-1 MSD    | T-1 (0-1')             | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 45886

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 880-24390-1   | T-1 (0-1')       | Total/NA  | Solid  | Total BTEX |            |
| 880-24390-2   | T-1 (1')         | Total/NA  | Solid  | Total BTEX |            |
| 880-24390-3   | T-1 (2')         | Total/NA  | Solid  | Total BTEX |            |
| 880-24390-4   | T-1 (3')         | Total/NA  | Solid  | Total BTEX |            |
| 880-24390-5   | T-1 (4')         | Total/NA  | Solid  | Total BTEX |            |
| 880-24390-6   | T-1 (5')         | Total/NA  | Solid  | Total BTEX |            |
| 880-24390-7   | T-2 (0-1')       | Total/NA  | Solid  | Total BTEX |            |
| 880-24390-8   | T-2 (1')         | Total/NA  | Solid  | Total BTEX |            |
| 880-24390-9   | T-2 (2')         | Total/NA  | Solid  | Total BTEX |            |
| 880-24390-10  | T-2 (3')         | Total/NA  | Solid  | Total BTEX |            |
| 880-24390-11  | T-2 (4')         | Total/NA  | Solid  | Total BTEX |            |
| 880-24390-12  | T-2 (5')         | Total/NA  | Solid  | Total BTEX |            |
| 880-24390-13  | T-3 (0-1')       | Total/NA  | Solid  | Total BTEX |            |
| 880-24390-14  | T-3 (1')         | Total/NA  | Solid  | Total BTEX |            |
| 880-24390-15  | T-3 (2')         | Total/NA  | Solid  | Total BTEX |            |
| 880-24390-16  | T-3 (3')         | Total/NA  | Solid  | Total BTEX |            |
| 880-24390-17  | T-3 (4')         | Total/NA  | Solid  | Total BTEX |            |
| 880-24390-18  | T-3 (5')         | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Prep Batch: 45651

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 880-24390-1        | T-1 (0-1')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-24390-2        | T-1 (1')               | Total/NA  | Solid  | 8015NM Prep |            |
| 880-24390-3        | T-1 (2')               | Total/NA  | Solid  | 8015NM Prep |            |
| 880-24390-4        | T-1 (3')               | Total/NA  | Solid  | 8015NM Prep |            |
| 880-24390-5        | T-1 (4')               | Total/NA  | Solid  | 8015NM Prep |            |
| 880-24390-6        | T-1 (5')               | Total/NA  | Solid  | 8015NM Prep |            |
| 880-24390-7        | T-2 (0-1')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-24390-8        | T-2 (1')               | Total/NA  | Solid  | 8015NM Prep |            |
| 880-24390-9        | T-2 (2')               | Total/NA  | Solid  | 8015NM Prep |            |
| 880-24390-10       | T-2 (3')               | Total/NA  | Solid  | 8015NM Prep |            |
| 880-24390-11       | T-2 (4')               | Total/NA  | Solid  | 8015NM Prep |            |
| 880-24390-12       | T-2 (5')               | Total/NA  | Solid  | 8015NM Prep |            |
| 880-24390-13       | T-3 (0-1')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-24390-14       | T-3 (1')               | Total/NA  | Solid  | 8015NM Prep |            |
| 880-24390-15       | T-3 (2')               | Total/NA  | Solid  | 8015NM Prep |            |
| 880-24390-16       | T-3 (3')               | Total/NA  | Solid  | 8015NM Prep |            |
| 880-24390-17       | T-3 (4')               | Total/NA  | Solid  | 8015NM Prep |            |
| 880-24390-18       | T-3 (5')               | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-45651/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-45651/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-45651/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-24390-1 MS     | T-1 (0-1')             | Total/NA  | Solid  | 8015NM Prep |            |

Eurofins Midland

## QC Association Summary

Client: Carmona Resources  
 Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-24390-1  
 SDG: Eddy County, New Mexico

## GC Semi VOA (Continued)

## Prep Batch: 45651 (Continued)

| Lab Sample ID   | Client Sample ID | Prep Type | Matrix | Method      | Prep Batch |
|-----------------|------------------|-----------|--------|-------------|------------|
| 880-24390-1 MSD | T-1 (0-1')       | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 45733

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-24390-1        | T-1 (0-1')             | Total/NA  | Solid  | 8015B NM | 45651      |
| 880-24390-2        | T-1 (1')               | Total/NA  | Solid  | 8015B NM | 45651      |
| 880-24390-3        | T-1 (2')               | Total/NA  | Solid  | 8015B NM | 45651      |
| 880-24390-4        | T-1 (3')               | Total/NA  | Solid  | 8015B NM | 45651      |
| 880-24390-5        | T-1 (4')               | Total/NA  | Solid  | 8015B NM | 45651      |
| 880-24390-6        | T-1 (5')               | Total/NA  | Solid  | 8015B NM | 45651      |
| 880-24390-7        | T-2 (0-1')             | Total/NA  | Solid  | 8015B NM | 45651      |
| 880-24390-8        | T-2 (1')               | Total/NA  | Solid  | 8015B NM | 45651      |
| 880-24390-9        | T-2 (2')               | Total/NA  | Solid  | 8015B NM | 45651      |
| 880-24390-10       | T-2 (3')               | Total/NA  | Solid  | 8015B NM | 45651      |
| 880-24390-11       | T-2 (4')               | Total/NA  | Solid  | 8015B NM | 45651      |
| 880-24390-12       | T-2 (5')               | Total/NA  | Solid  | 8015B NM | 45651      |
| 880-24390-13       | T-3 (0-1')             | Total/NA  | Solid  | 8015B NM | 45651      |
| 880-24390-14       | T-3 (1')               | Total/NA  | Solid  | 8015B NM | 45651      |
| 880-24390-15       | T-3 (2')               | Total/NA  | Solid  | 8015B NM | 45651      |
| 880-24390-16       | T-3 (3')               | Total/NA  | Solid  | 8015B NM | 45651      |
| 880-24390-17       | T-3 (4')               | Total/NA  | Solid  | 8015B NM | 45651      |
| 880-24390-18       | T-3 (5')               | Total/NA  | Solid  | 8015B NM | 45651      |
| MB 880-45651/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 45651      |
| LCS 880-45651/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 45651      |
| LCSD 880-45651/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 45651      |
| 880-24390-1 MS     | T-1 (0-1')             | Total/NA  | Solid  | 8015B NM | 45651      |
| 880-24390-1 MSD    | T-1 (0-1')             | Total/NA  | Solid  | 8015B NM | 45651      |

## Analysis Batch: 45857

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-24390-1   | T-1 (0-1')       | Total/NA  | Solid  | 8015 NM |            |
| 880-24390-2   | T-1 (1')         | Total/NA  | Solid  | 8015 NM |            |
| 880-24390-3   | T-1 (2')         | Total/NA  | Solid  | 8015 NM |            |
| 880-24390-4   | T-1 (3')         | Total/NA  | Solid  | 8015 NM |            |
| 880-24390-5   | T-1 (4')         | Total/NA  | Solid  | 8015 NM |            |
| 880-24390-6   | T-1 (5')         | Total/NA  | Solid  | 8015 NM |            |
| 880-24390-7   | T-2 (0-1')       | Total/NA  | Solid  | 8015 NM |            |
| 880-24390-8   | T-2 (1')         | Total/NA  | Solid  | 8015 NM |            |
| 880-24390-9   | T-2 (2')         | Total/NA  | Solid  | 8015 NM |            |
| 880-24390-10  | T-2 (3')         | Total/NA  | Solid  | 8015 NM |            |
| 880-24390-11  | T-2 (4')         | Total/NA  | Solid  | 8015 NM |            |
| 880-24390-12  | T-2 (5')         | Total/NA  | Solid  | 8015 NM |            |
| 880-24390-13  | T-3 (0-1')       | Total/NA  | Solid  | 8015 NM |            |
| 880-24390-14  | T-3 (1')         | Total/NA  | Solid  | 8015 NM |            |
| 880-24390-15  | T-3 (2')         | Total/NA  | Solid  | 8015 NM |            |
| 880-24390-16  | T-3 (3')         | Total/NA  | Solid  | 8015 NM |            |
| 880-24390-17  | T-3 (4')         | Total/NA  | Solid  | 8015 NM |            |
| 880-24390-18  | T-3 (5')         | Total/NA  | Solid  | 8015 NM |            |

Eurofins Midland

## QC Association Summary

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-24390-1  
SDG: Eddy County, New Mexico

## HPLC/IC

## Leach Batch: 45656

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|----------------------|------------------------|-----------|--------|----------|------------|
| 880-24390-1          | T-1 (0-1')             | Soluble   | Solid  | DI Leach |            |
| 880-24390-2          | T-1 (1')               | Soluble   | Solid  | DI Leach |            |
| 880-24390-3          | T-1 (2')               | Soluble   | Solid  | DI Leach |            |
| 880-24390-4          | T-1 (3')               | Soluble   | Solid  | DI Leach |            |
| 880-24390-5          | T-1 (4')               | Soluble   | Solid  | DI Leach |            |
| MB 880-45656/1-A     | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-45656/2-A    | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-45656/3-A   | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-24368-A-11-C MS  | Matrix Spike           | Soluble   | Solid  | DI Leach |            |
| 880-24368-A-11-D MSD | Matrix Spike Duplicate | Soluble   | Solid  | DI Leach |            |

## Leach Batch: 45657

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-24390-6        | T-1 (5')               | Soluble   | Solid  | DI Leach |            |
| 880-24390-7        | T-2 (0-1')             | Soluble   | Solid  | DI Leach |            |
| 880-24390-8        | T-2 (1')               | Soluble   | Solid  | DI Leach |            |
| 880-24390-9        | T-2 (2')               | Soluble   | Solid  | DI Leach |            |
| 880-24390-10       | T-2 (3')               | Soluble   | Solid  | DI Leach |            |
| 880-24390-11       | T-2 (4')               | Soluble   | Solid  | DI Leach |            |
| 880-24390-12       | T-2 (5')               | Soluble   | Solid  | DI Leach |            |
| 880-24390-13       | T-3 (0-1')             | Soluble   | Solid  | DI Leach |            |
| 880-24390-14       | T-3 (1')               | Soluble   | Solid  | DI Leach |            |
| 880-24390-15       | T-3 (2')               | Soluble   | Solid  | DI Leach |            |
| 880-24390-16       | T-3 (3')               | Soluble   | Solid  | DI Leach |            |
| 880-24390-17       | T-3 (4')               | Soluble   | Solid  | DI Leach |            |
| 880-24390-18       | T-3 (5')               | Soluble   | Solid  | DI Leach |            |
| MB 880-45657/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-45657/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-45657/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-24390-6 MS     | T-1 (5')               | Soluble   | Solid  | DI Leach |            |
| 880-24390-6 MSD    | T-1 (5')               | Soluble   | Solid  | DI Leach |            |
| 880-24390-16 MS    | T-3 (3')               | Soluble   | Solid  | DI Leach |            |
| 880-24390-16 MSD   | T-3 (3')               | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 45697

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 880-24390-1          | T-1 (0-1')             | Soluble   | Solid  | 300.0  | 45656      |
| 880-24390-2          | T-1 (1')               | Soluble   | Solid  | 300.0  | 45656      |
| 880-24390-3          | T-1 (2')               | Soluble   | Solid  | 300.0  | 45656      |
| 880-24390-4          | T-1 (3')               | Soluble   | Solid  | 300.0  | 45656      |
| 880-24390-5          | T-1 (4')               | Soluble   | Solid  | 300.0  | 45656      |
| MB 880-45656/1-A     | Method Blank           | Soluble   | Solid  | 300.0  | 45656      |
| LCS 880-45656/2-A    | Lab Control Sample     | Soluble   | Solid  | 300.0  | 45656      |
| LCSD 880-45656/3-A   | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 45656      |
| 880-24368-A-11-C MS  | Matrix Spike           | Soluble   | Solid  | 300.0  | 45656      |
| 880-24368-A-11-D MSD | Matrix Spike Duplicate | Soluble   | Solid  | 300.0  | 45656      |

## Analysis Batch: 45710

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 880-24390-6   | T-1 (5')         | Soluble   | Solid  | 300.0  | 45657      |
| 880-24390-7   | T-2 (0-1')       | Soluble   | Solid  | 300.0  | 45657      |

Eurofins Midland

## QC Association Summary

Client: Carmona Resources  
 Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-24390-1  
 SDG: Eddy County, New Mexico

## HPLC/IC (Continued)

## Analysis Batch: 45710 (Continued)

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-24390-8        | T-2 (1')               | Soluble   | Solid  | 300.0  | 45657      |
| 880-24390-9        | T-2 (2')               | Soluble   | Solid  | 300.0  | 45657      |
| 880-24390-10       | T-2 (3')               | Soluble   | Solid  | 300.0  | 45657      |
| 880-24390-11       | T-2 (4')               | Soluble   | Solid  | 300.0  | 45657      |
| 880-24390-12       | T-2 (5')               | Soluble   | Solid  | 300.0  | 45657      |
| 880-24390-13       | T-3 (0-1')             | Soluble   | Solid  | 300.0  | 45657      |
| 880-24390-14       | T-3 (1')               | Soluble   | Solid  | 300.0  | 45657      |
| 880-24390-15       | T-3 (2')               | Soluble   | Solid  | 300.0  | 45657      |
| 880-24390-16       | T-3 (3')               | Soluble   | Solid  | 300.0  | 45657      |
| 880-24390-17       | T-3 (4')               | Soluble   | Solid  | 300.0  | 45657      |
| MB 880-45657/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 45657      |
| LCS 880-45657/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 45657      |
| LCSD 880-45657/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 45657      |
| 880-24390-6 MS     | T-1 (5')               | Soluble   | Solid  | 300.0  | 45657      |
| 880-24390-6 MSD    | T-1 (5')               | Soluble   | Solid  | 300.0  | 45657      |
| 880-24390-16 MS    | T-3 (3')               | Soluble   | Solid  | 300.0  | 45657      |
| 880-24390-16 MSD   | T-3 (3')               | Soluble   | Solid  | 300.0  | 45657      |

## Leach Batch: 45858

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| MB 880-45858/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-45858/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-45858/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 45891

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-24390-18       | T-3 (5')               | Soluble   | Solid  | 300.0  | 45657      |
| MB 880-45858/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 45858      |
| LCS 880-45858/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 45858      |
| LCSD 880-45858/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 45858      |

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-24390-1  
SDG: Eddy County, New Mexico

Client Sample ID: T-1 (0-1')

Lab Sample ID: 880-24390-1

Date Collected: 02/06/23 00:00

Matrix: Solid

Date Received: 02/06/23 16:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.05 g         | 5 mL         | 45781        | 02/08/23 11:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 45738        | 02/08/23 22:30       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 45886        | 02/09/23 10:09       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 45857        | 02/09/23 09:20       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 45651        | 02/07/23 09:07       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 45733        | 02/08/23 21:44       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5 g            | 50 mL        | 45656        | 02/07/23 09:18       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 20         |                |              | 45697        | 02/07/23 13:51       | CH      | EET MID |

Client Sample ID: T-1 (1')

Lab Sample ID: 880-24390-2

Date Collected: 02/06/23 00:00

Matrix: Solid

Date Received: 02/06/23 16:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.96 g         | 5 mL         | 45781        | 02/08/23 11:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 45738        | 02/08/23 22:51       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 45886        | 02/09/23 10:09       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 45857        | 02/09/23 09:20       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 45651        | 02/07/23 09:07       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 45733        | 02/08/23 22:50       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 45656        | 02/07/23 09:18       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 20         |                |              | 45697        | 02/07/23 13:57       | CH      | EET MID |

Client Sample ID: T-1 (2')

Lab Sample ID: 880-24390-3

Date Collected: 02/06/23 00:00

Matrix: Solid

Date Received: 02/06/23 16:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 45781        | 02/08/23 11:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 45738        | 02/08/23 23:11       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 45886        | 02/09/23 10:09       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 45857        | 02/09/23 09:20       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 45651        | 02/07/23 09:07       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 45733        | 02/08/23 23:13       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 45656        | 02/07/23 09:18       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 20         |                |              | 45697        | 02/07/23 14:03       | CH      | EET MID |

Client Sample ID: T-1 (3')

Lab Sample ID: 880-24390-4

Date Collected: 02/06/23 00:00

Matrix: Solid

Date Received: 02/06/23 16:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 45781        | 02/08/23 11:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 45738        | 02/08/23 23:32       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 45886        | 02/09/23 10:09       | AJ      | EET MID |

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-24390-1  
SDG: Eddy County, New Mexico

Client Sample ID: T-1 (3')

Date Collected: 02/06/23 00:00

Date Received: 02/06/23 16:30

Lab Sample ID: 880-24390-4

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 45857        | 02/09/23 09:20       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 45651        | 02/07/23 09:07       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 45733        | 02/08/23 23:35       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 45656        | 02/07/23 09:18       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 20         |                |              | 45697        | 02/07/23 14:09       | CH      | EET MID |

Client Sample ID: T-1 (4')

Date Collected: 02/06/23 00:00

Date Received: 02/06/23 16:30

Lab Sample ID: 880-24390-5

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 45781        | 02/08/23 11:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 45738        | 02/08/23 23:52       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 45886        | 02/09/23 10:09       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 45857        | 02/09/23 09:20       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 45651        | 02/07/23 09:07       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 45733        | 02/08/23 23:56       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 45656        | 02/07/23 09:18       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 20         |                |              | 45697        | 02/07/23 14:15       | CH      | EET MID |

Client Sample ID: T-1 (5')

Date Collected: 02/06/23 00:00

Date Received: 02/06/23 16:30

Lab Sample ID: 880-24390-6

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 45781        | 02/08/23 11:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 45738        | 02/09/23 00:13       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 45886        | 02/09/23 10:09       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 45857        | 02/09/23 09:20       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 45651        | 02/07/23 09:07       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 45733        | 02/09/23 00:17       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.97 g         | 50 mL        | 45657        | 02/07/23 09:21       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 45710        | 02/08/23 14:19       | CH      | EET MID |

Client Sample ID: T-2 (0-1')

Date Collected: 02/06/23 00:00

Date Received: 02/06/23 16:30

Lab Sample ID: 880-24390-7

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.95 g         | 5 mL         | 45781        | 02/08/23 11:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 45738        | 02/09/23 00:33       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 45886        | 02/09/23 10:09       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 45857        | 02/09/23 09:20       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 45651        | 02/07/23 09:07       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 45733        | 02/09/23 00:38       | SM      | EET MID |

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-24390-1  
SDG: Eddy County, New Mexico

**Client Sample ID: T-2 (0-1')****Date Collected: 02/06/23 00:00****Date Received: 02/06/23 16:30****Lab Sample ID: 880-24390-7****Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5 g            | 50 mL        | 45657        | 02/07/23 09:21       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 20         | 0 mL           | 1.0 mL       | 45710        | 02/07/23 19:29       | CH      | EET MID |

**Client Sample ID: T-2 (1')****Date Collected: 02/06/23 00:00****Date Received: 02/06/23 16:30****Lab Sample ID: 880-24390-8****Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 45781        | 02/08/23 11:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 45738        | 02/09/23 00:53       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 45886        | 02/09/23 10:09       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 45857        | 02/09/23 09:20       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 45651        | 02/07/23 09:07       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 45733        | 02/09/23 01:00       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 45657        | 02/07/23 09:21       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 20         | 0 mL           | 1.0 mL       | 45710        | 02/07/23 19:35       | CH      | EET MID |

**Client Sample ID: T-2 (2')****Date Collected: 02/06/23 00:00****Date Received: 02/06/23 16:30****Lab Sample ID: 880-24390-9****Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 45781        | 02/08/23 11:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 45738        | 02/09/23 01:14       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 45886        | 02/09/23 10:09       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 45857        | 02/09/23 09:20       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 45651        | 02/07/23 09:07       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 45733        | 02/09/23 01:22       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 45657        | 02/07/23 09:21       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 20         | 0 mL           | 1.0 mL       | 45710        | 02/07/23 19:41       | CH      | EET MID |

**Client Sample ID: T-2 (3')****Date Collected: 02/06/23 00:00****Date Received: 02/06/23 16:30****Lab Sample ID: 880-24390-10****Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 45781        | 02/08/23 11:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 45738        | 02/09/23 01:34       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 45886        | 02/09/23 10:09       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 45857        | 02/09/23 09:20       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 45651        | 02/07/23 09:07       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 45733        | 02/09/23 01:43       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 45657        | 02/07/23 09:21       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 20         | 0 mL           | 1.0 mL       | 45710        | 02/07/23 19:47       | CH      | EET MID |

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-24390-1  
SDG: Eddy County, New Mexico

Client Sample ID: T-2 (4')

Date Collected: 02/06/23 00:00

Date Received: 02/06/23 16:30

Lab Sample ID: 880-24390-11

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.96 g         | 5 mL         | 45781        | 02/08/23 11:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 45738        | 02/09/23 02:57       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 45886        | 02/09/23 10:09       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 45857        | 02/09/23 09:20       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 45651        | 02/07/23 09:07       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 45733        | 02/09/23 02:25       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 45657        | 02/07/23 09:21       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 10         | 0 mL           | 1.0 mL       | 45710        | 02/07/23 20:06       | CH      | EET MID |

Client Sample ID: T-2 (5')

Date Collected: 02/06/23 00:00

Date Received: 02/06/23 16:30

Lab Sample ID: 880-24390-12

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 45781        | 02/08/23 11:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 45738        | 02/09/23 03:17       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 45886        | 02/09/23 10:09       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 45857        | 02/09/23 09:20       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 45651        | 02/07/23 09:07       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 45733        | 02/09/23 02:47       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5 g            | 50 mL        | 45657        | 02/07/23 09:21       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 45710        | 02/08/23 14:38       | CH      | EET MID |

Client Sample ID: T-3 (0-1')

Date Collected: 02/06/23 00:00

Date Received: 02/06/23 16:30

Lab Sample ID: 880-24390-13

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 45781        | 02/08/23 11:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 45738        | 02/09/23 03:38       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 45886        | 02/09/23 10:09       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 45857        | 02/09/23 09:20       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 45651        | 02/07/23 09:07       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 45733        | 02/09/23 03:08       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 45657        | 02/07/23 09:21       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 10         | 0 mL           | 1.0 mL       | 45710        | 02/07/23 20:18       | CH      | EET MID |

Client Sample ID: T-3 (1')

Date Collected: 02/06/23 00:00

Date Received: 02/06/23 16:30

Lab Sample ID: 880-24390-14

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 45781        | 02/08/23 11:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 45738        | 02/09/23 03:58       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 45886        | 02/09/23 10:09       | AJ      | EET MID |

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-24390-1  
SDG: Eddy County, New Mexico

Client Sample ID: T-3 (1')

Lab Sample ID: 880-24390-14

Date Collected: 02/06/23 00:00

Matrix: Solid

Date Received: 02/06/23 16:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 45857        | 02/09/23 09:20       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 45651        | 02/07/23 09:07       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 45733        | 02/09/23 03:30       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 45657        | 02/07/23 09:21       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 10         | 0 mL           | 1.0 mL       | 45710        | 02/07/23 20:24       | CH      | EET MID |

Client Sample ID: T-3 (2')

Lab Sample ID: 880-24390-15

Date Collected: 02/06/23 00:00

Matrix: Solid

Date Received: 02/06/23 16:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 45781        | 02/08/23 11:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 45738        | 02/09/23 04:18       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 45886        | 02/09/23 10:09       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 45857        | 02/09/23 09:20       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 45651        | 02/07/23 09:07       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 45733        | 02/09/23 03:52       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5 g            | 50 mL        | 45657        | 02/07/23 09:21       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 45710        | 02/08/23 14:44       | CH      | EET MID |

Client Sample ID: T-3 (3')

Lab Sample ID: 880-24390-16

Date Collected: 02/06/23 00:00

Matrix: Solid

Date Received: 02/06/23 16:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.98 g         | 5 mL         | 45781        | 02/08/23 11:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 45738        | 02/09/23 04:39       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 45886        | 02/09/23 10:09       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 45857        | 02/09/23 09:20       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 45651        | 02/07/23 09:07       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 45733        | 02/09/23 04:13       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5 g            | 50 mL        | 45657        | 02/07/23 09:21       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 45710        | 02/08/23 14:50       | CH      | EET MID |

Client Sample ID: T-3 (4')

Lab Sample ID: 880-24390-17

Date Collected: 02/06/23 00:00

Matrix: Solid

Date Received: 02/06/23 16:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.05 g         | 5 mL         | 45781        | 02/08/23 11:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 45738        | 02/09/23 04:59       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 45886        | 02/09/23 10:09       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 45857        | 02/09/23 09:20       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 45651        | 02/07/23 09:07       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 45733        | 02/09/23 04:34       | SM      | EET MID |

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-24390-1  
SDG: Eddy County, New Mexico

Client Sample ID: T-3 (4')

Lab Sample ID: 880-24390-17

Date Collected: 02/06/23 00:00

Matrix: Solid

Date Received: 02/06/23 16:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 45657        | 02/07/23 09:21       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 45710        | 02/08/23 15:09       | CH      | EET MID |

Client Sample ID: T-3 (5')

Lab Sample ID: 880-24390-18

Date Collected: 02/06/23 00:00

Matrix: Solid

Date Received: 02/06/23 16:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 45781        | 02/08/23 11:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 45738        | 02/09/23 05:20       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 45886        | 02/09/23 10:09       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 45857        | 02/09/23 09:20       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 45651        | 02/07/23 09:07       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 45733        | 02/09/23 04:56       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5 g            | 50 mL        | 45657        | 02/07/23 09:21       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 45891        | 02/09/23 15:29       | CH      | EET MID |

## Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

## Accreditation/Certification Summary

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-24390-1  
SDG: Eddy County, New Mexico

### Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704400-22-25      | 06-30-23        |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte                              |
|-----------------|-------------|--------|--------------------------------------|
| 300.0           |             | Solid  | Chloride                             |
| 8015 NM         |             | Solid  | Total TPH                            |
| 8015B NM        | 8015NM Prep | Solid  | Diesel Range Organics (Over C10-C28) |
| 8015B NM        | 8015NM Prep | Solid  | Gasoline Range Organics (GRO)-C6-C10 |
| 8015B NM        | 8015NM Prep | Solid  | Oil Range Organics (Over C28-C36)    |
| 8021B           | 5035        | Solid  | Benzene                              |
| 8021B           | 5035        | Solid  | Ethylbenzene                         |
| 8021B           | 5035        | Solid  | m-Xylene & p-Xylene                  |
| 8021B           | 5035        | Solid  | o-Xylene                             |
| 8021B           | 5035        | Solid  | Toluene                              |
| 8021B           | 5035        | Solid  | Xylenes, Total                       |
| Total BTEX      |             | Solid  | Total BTEX                           |

Eurofins Midland

## Method Summary

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-24390-1  
SDG: Eddy County, New Mexico

| Method      | Method Description                 | Protocol | Laboratory |
|-------------|------------------------------------|----------|------------|
| 8021B       | Volatile Organic Compounds (GC)    | SW846    | EET MID    |
| Total BTEX  | Total BTEX Calculation             | TAL SOP  | EET MID    |
| 8015 NM     | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 8015B NM    | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 300.0       | Anions, Ion Chromatography         | EPA      | EET MID    |
| 5035        | Closed System Purge and Trap       | SW846    | EET MID    |
| 8015NM Prep | Microextraction                    | SW846    | EET MID    |
| DI Leach    | Deionized Water Leaching Procedure | ASTM     | EET MID    |

### Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

### Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

## Sample Summary

Client: Carmona Resources

Job ID: 880-24390-1

Project/Site: Road Runner Fed Com 023H (12.16.22)

SDG: Eddy County, New Mexico

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 880-24390-1   | T-1 (0-1')       | Solid  | 02/06/23 00:00 | 02/06/23 16:30 |
| 880-24390-2   | T-1 (1')         | Solid  | 02/06/23 00:00 | 02/06/23 16:30 |
| 880-24390-3   | T-1 (2')         | Solid  | 02/06/23 00:00 | 02/06/23 16:30 |
| 880-24390-4   | T-1 (3')         | Solid  | 02/06/23 00:00 | 02/06/23 16:30 |
| 880-24390-5   | T-1 (4')         | Solid  | 02/06/23 00:00 | 02/06/23 16:30 |
| 880-24390-6   | T-1 (5')         | Solid  | 02/06/23 00:00 | 02/06/23 16:30 |
| 880-24390-7   | T-2 (0-1')       | Solid  | 02/06/23 00:00 | 02/06/23 16:30 |
| 880-24390-8   | T-2 (1')         | Solid  | 02/06/23 00:00 | 02/06/23 16:30 |
| 880-24390-9   | T-2 (2')         | Solid  | 02/06/23 00:00 | 02/06/23 16:30 |
| 880-24390-10  | T-2 (3')         | Solid  | 02/06/23 00:00 | 02/06/23 16:30 |
| 880-24390-11  | T-2 (4')         | Solid  | 02/06/23 00:00 | 02/06/23 16:30 |
| 880-24390-12  | T-2 (5')         | Solid  | 02/06/23 00:00 | 02/06/23 16:30 |
| 880-24390-13  | T-3 (0-1')       | Solid  | 02/06/23 00:00 | 02/06/23 16:30 |
| 880-24390-14  | T-3 (1')         | Solid  | 02/06/23 00:00 | 02/06/23 16:30 |
| 880-24390-15  | T-3 (2')         | Solid  | 02/06/23 00:00 | 02/06/23 16:30 |
| 880-24390-16  | T-3 (3')         | Solid  | 02/06/23 00:00 | 02/06/23 16:30 |
| 880-24390-17  | T-3 (4')         | Solid  | 02/06/23 00:00 | 02/06/23 16:30 |
| 880-24390-18  | T-3 (5')         | Solid  | 02/06/23 00:00 | 02/06/23 16:30 |

## Chain of Custody

Work Order No: 24390

Page 1 of 2

|                                    |  |                                         |  |                  |  |
|------------------------------------|--|-----------------------------------------|--|------------------|--|
| Project Manager: Conner Moehring   |  | Bill to: (if different)                 |  | Jacqui Harris    |  |
| Company Name: Carmona Resources    |  | Company Name:                           |  | COG              |  |
| Address: 310 W Wall St Ste 415     |  | Address:                                |  | 15 W London Rd   |  |
| City, State ZIP: Midland, TX 79701 |  | City, State ZIP:                        |  | Loving, NM 88258 |  |
| Phone: 432-813-6823                |  | Email: jacqui.harris@conocophillips.com |  |                  |  |

|                                                   |  |                                                                           |  |            |  |
|---------------------------------------------------|--|---------------------------------------------------------------------------|--|------------|--|
| Project Name: Road Runner Fed Com 023H (12 16 22) |  | Turn Around                                                               |  | Pres. Code |  |
| Project Number: 1212                              |  | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |  |            |  |
| Project Location: Eddy County, New Mexico         |  | Due Date: 72 L-1                                                          |  |            |  |
| Sampler's Name: GRW CCM                           |  |                                                                           |  |            |  |
| PO #:                                             |  |                                                                           |  |            |  |

|                              |  |                              |  |                               |  |
|------------------------------|--|------------------------------|--|-------------------------------|--|
| SAMPLE RECEIPT               |  | Temp Blank: Yes No           |  | Thermometer ID: Yes No        |  |
| Received Intact: Yes No      |  | Cooler Custody Seals: Yes No |  | Correction Factor: Yes No     |  |
| Sample Custody Seals: Yes No |  | Temperature Reading: Yes No  |  | Corrected Temperature: Yes No |  |
| Total Containers:            |  |                              |  |                               |  |

| Sample Identification | Date     | Time | Soil | Water | Grab/Comp | # of Cont | Parameters                                                  | Pres. Code | ANALYSIS REQUEST | Preservative Codes                                              |
|-----------------------|----------|------|------|-------|-----------|-----------|-------------------------------------------------------------|------------|------------------|-----------------------------------------------------------------|
| T-1 (0-1')            | 2/6/2023 |      | X    |       | G         | 1         | BTEX 8021B<br>TPH 8015M (GRO + DRO + MRO)<br>Chloride 300.0 |            |                  | None NO<br>DI Water H <sub>2</sub> O                            |
| T-1 (1')              | 2/6/2023 |      | X    |       | G         | 1         |                                                             |            |                  | Cool Cool<br>MeOH Me                                            |
| T-1 (2')              | 2/6/2023 |      | X    |       | G         | 1         |                                                             |            |                  | HCL HC<br>HNO <sub>3</sub> HN                                   |
| T-1 (3')              | 2/6/2023 |      | X    |       | G         | 1         |                                                             |            |                  | H <sub>2</sub> SO <sub>4</sub> H <sub>2</sub><br>NaOH Na        |
| T-1 (4')              | 2/6/2023 |      | X    |       | G         | 1         |                                                             |            |                  | H <sub>3</sub> PO <sub>4</sub> HP<br>NaHSO <sub>4</sub> NABIS   |
| T-1 (5')              | 2/6/2023 |      | X    |       | G         | 1         |                                                             |            |                  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> NaSO <sub>3</sub> |
| T-2 (0-1')            | 2/6/2023 |      | X    |       | G         | 1         |                                                             |            |                  | Zn Acetate+NaOH Zn                                              |
| T-2 (1')              | 2/6/2023 |      | X    |       | G         | 1         |                                                             |            |                  | NaOH+Ascorbic Acid SAPC                                         |
| T-2 (2')              | 2/6/2023 |      | X    |       | G         | 1         |                                                             |            |                  |                                                                 |
| T-2 (3')              | 2/6/2023 |      | X    |       | G         | 1         |                                                             |            |                  |                                                                 |



880-24390 Chain of Custody

Comments: Email to Mike Carmona / Mearmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by (Signature)

Date/Time

Received by (Signature)

Date/Time

## Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-24390-1

SDG Number: Eddy County, New Mexico

**Login Number: 24390****List Number: 1****List Source: Eurofins Midland****Creator: Rodriguez, Leticia**

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present.                                                                  | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information.                                | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |



Environment Testing

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Conner Moehring  
Carmona Resources  
310 W Wall St  
Ste 415  
Midland, Texas 79701

Generated 3/7/2023 3:18:37 PM

## JOB DESCRIPTION

Road Runner Fed Com 023H (12.16.22)  
SDG NUMBER Eddy County, New Mexico

## JOB NUMBER

880-25412-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701

**Eurofins Midland****Job Notes**

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

**Authorization**

Generated  
3/7/2023 3:18:37 PM

Authorized for release by  
Jessica Kramer, Project Manager  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Laboratory Job ID: 880-25412-1  
SDG: Eddy County, New Mexico

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## Definitions/Glossary

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-25412-1  
SDG: Eddy County, New Mexico

## Qualifiers

## GC VOA

| Qualifier | Qualifier Description                                      |
|-----------|------------------------------------------------------------|
| *+        | LCS and/or LCSD is outside acceptance limits, high biased. |
| F1        | MS and/or MSD recovery exceeds control limits.             |
| F2        | MS/MSD RPD exceeds control limits                          |
| S1-       | Surrogate recovery exceeds control limits, low biased.     |
| S1+       | Surrogate recovery exceeds control limits, high biased.    |
| U         | Indicates the analyte was analyzed for but not detected.   |

## GC Semi VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| S1+       | Surrogate recovery exceeds control limits, high biased.  |
| U         | Indicates the analyte was analyzed for but not detected. |

## HPLC/IC

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| U         | Indicates the analyte was analyzed for but not detected. |

## Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| α              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |

## Case Narrative

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-25412-1  
SDG: Eddy County, New Mexico

**Job ID: 880-25412-1**

**Laboratory: Eurofins Midland**

**Narrative**

**Job Narrative  
880-25412-1**

**Receipt**

The samples were received on 3/3/2023 10:43 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.5°C

**Receipt Exceptions**

The following samples were received and analyzed from an unpreserved bulk soil jar: CS-1 (4.5') (880-25412-1), CS-2 (4.5') (880-25412-2), CS-3 (4.5') (880-25412-3), CS-4 (4.5') (880-25412-4), CS-5 (4.5') (880-25412-5), CS-6 (4.5') (880-25412-6), CS-7 (4.5') (880-25412-7), CS-8 (4.5') (880-25412-8), CS-9 (1.5') (880-25412-9), CS-10 (1.5') (880-25412-10), CS-11 (1.5') (880-25412-11), CS-12 (1.5') (880-25412-12), CS-13 (1.5') (880-25412-13), CS-14 (1.5') (880-25412-14), CS-15 (1.5') (880-25412-15), CS-16 (1.5') (880-25412-16), CS-17 (1.5') (880-25412-17), SW-1 (4.5') (880-25412-18), SW-2 (4.5') (880-25412-19), SW-3 (4.5') (880-25412-20), SW-4 (4.5') (880-25412-21), SW-5 (4.5') (880-25412-22), SW-6 (4.5') (880-25412-23), SW-7 (4.5') (880-25412-24), SW-8 (1.5') (880-25412-25), SW-9 (1.5') (880-25412-26), SW-10 (1.5') (880-25412-27), SW-11 (1.5') (880-25412-28), SW-12 (1.5') (880-25412-29), SW-13 (1.5') (880-25412-30), SW-14 (1.5') (880-25412-31) and SW-15 (1.5') (880-25412-32).

**GC VOA**

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-47733 and analytical batch 880-47865 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-47731 and analytical batch 880-47853 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**GC Semi VOA**

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: CS-3 (4.5') (880-25412-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD\_NM: The surrogate recovery for the blank associated with preparation batch 880-47752 and analytical batch 880-47687 was outside the upper control limits.

Method 8015MOD\_NM: The surrogate recovery for the blank associated with preparation batch 880-47759 and analytical batch 880-47801 was outside the upper control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**HPLC/IC**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

## Client Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-25412-1  
SDG: Eddy County, New Mexico

Client Sample ID: CS-1 (4.5')

Lab Sample ID: 880-25412-1

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 03/03/23 12:24 | 03/05/23 21:02 | 1       |
| Toluene             | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 03/03/23 12:24 | 03/05/23 21:02 | 1       |
| Ethylbenzene        | <0.00201 | U F1      | 0.00201 |     | mg/Kg |   | 03/03/23 12:24 | 03/05/23 21:02 | 1       |
| m-Xylene & p-Xylene | <0.00402 | U F1      | 0.00402 |     | mg/Kg |   | 03/03/23 12:24 | 03/05/23 21:02 | 1       |
| o-Xylene            | <0.00201 | U F1      | 0.00201 |     | mg/Kg |   | 03/03/23 12:24 | 03/05/23 21:02 | 1       |
| Xylenes, Total      | <0.00402 | U F1      | 0.00402 |     | mg/Kg |   | 03/03/23 12:24 | 03/05/23 21:02 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 104       |           | 70 - 130 | 03/03/23 12:24 | 03/05/23 21:02 | 1       |
| 1,4-Difluorobenzene (Surr)  | 79        |           | 70 - 130 | 03/03/23 12:24 | 03/05/23 21:02 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 |     | mg/Kg |   |          | 03/06/23 15:00 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 03/06/23 12:56 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 03/03/23 13:24 | 03/03/23 21:13 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 03/03/23 13:24 | 03/03/23 21:13 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 03/03/23 13:24 | 03/03/23 21:13 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 109       |           | 70 - 130 | 03/03/23 13:24 | 03/03/23 21:13 | 1       |
| o-Terphenyl    | 120       |           | 70 - 130 | 03/03/23 13:24 | 03/03/23 21:13 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 480    |           | 4.95 |     | mg/Kg |   |          | 03/04/23 17:01 | 1       |

Client Sample ID: CS-2 (4.5')

Lab Sample ID: 880-25412-2

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 03/03/23 12:24 | 03/05/23 21:28 | 1       |
| Toluene             | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 03/03/23 12:24 | 03/05/23 21:28 | 1       |
| Ethylbenzene        | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 03/03/23 12:24 | 03/05/23 21:28 | 1       |
| m-Xylene & p-Xylene | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 03/03/23 12:24 | 03/05/23 21:28 | 1       |
| o-Xylene            | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 03/03/23 12:24 | 03/05/23 21:28 | 1       |
| Xylenes, Total      | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 03/03/23 12:24 | 03/05/23 21:28 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 113       |           | 70 - 130 | 03/03/23 12:24 | 03/05/23 21:28 | 1       |
| 1,4-Difluorobenzene (Surr)  | 87        |           | 70 - 130 | 03/03/23 12:24 | 03/05/23 21:28 | 1       |

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-25412-1  
SDG: Eddy County, New Mexico

Client Sample ID: CS-2 (4.5')

Lab Sample ID: 880-25412-2

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 |     | mg/Kg |   |          | 03/06/23 15:00 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 03/06/23 12:56 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     |     | mg/Kg |   | 03/03/23 13:24 | 03/03/23 22:17 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 03/03/23 13:24 | 03/03/23 22:17 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 03/03/23 13:24 | 03/03/23 22:17 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 97        |           | 70 - 130 |     |       |   | 03/03/23 13:24 | 03/03/23 22:17 | 1       |
| o-Terphenyl                          | 107       |           | 70 - 130 |     |       |   | 03/03/23 13:24 | 03/03/23 22:17 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 165    |           | 5.03 |     | mg/Kg |   |          | 03/04/23 17:06 | 1       |

Client Sample ID: CS-3 (4.5')

Lab Sample ID: 880-25412-3

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 03/03/23 12:24 | 03/05/23 21:55 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 03/03/23 12:24 | 03/05/23 21:55 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 03/03/23 12:24 | 03/05/23 21:55 | 1       |
| m-Xylene & p-Xylene         | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 03/03/23 12:24 | 03/05/23 21:55 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 03/03/23 12:24 | 03/05/23 21:55 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 03/03/23 12:24 | 03/05/23 21:55 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 128       |           | 70 - 130 |     |       |   | 03/03/23 12:24 | 03/05/23 21:55 | 1       |
| 1,4-Difluorobenzene (Surr)  | 89        |           | 70 - 130 |     |       |   | 03/03/23 12:24 | 03/05/23 21:55 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 03/06/23 15:00 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 03/06/23 12:56 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 03/03/23 13:24 | 03/03/23 22:39 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 03/03/23 13:24 | 03/03/23 22:39 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-25412-1  
SDG: Eddy County, New Mexico

## Client Sample ID: CS-3 (4.5')

## Lab Sample ID: 880-25412-3

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <49.9     | U         | 49.9     |     | mg/Kg |   | 03/03/23 13:24 | 03/03/23 22:39 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                    | 116       |           | 70 - 130 |     |       |   | 03/03/23 13:24 | 03/03/23 22:39 | 1       |
| o-Terphenyl                       | 133       | S1+       | 70 - 130 |     |       |   | 03/03/23 13:24 | 03/03/23 22:39 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 538    |           | 5.02 |     | mg/Kg |   |          | 03/04/23 17:11 | 1       |

## Client Sample ID: CS-4 (4.5')

## Lab Sample ID: 880-25412-4

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 03/03/23 12:24 | 03/05/23 22:21 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 03/03/23 12:24 | 03/05/23 22:21 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 03/03/23 12:24 | 03/05/23 22:21 | 1       |
| m-Xylene & p-Xylene         | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 03/03/23 12:24 | 03/05/23 22:21 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 03/03/23 12:24 | 03/05/23 22:21 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 03/03/23 12:24 | 03/05/23 22:21 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 100       |           | 70 - 130 |     |       |   | 03/03/23 12:24 | 03/05/23 22:21 | 1       |
| 1,4-Difluorobenzene (Surr)  | 95        |           | 70 - 130 |     |       |   | 03/03/23 12:24 | 03/05/23 22:21 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 03/06/23 15:00 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 03/06/23 12:56 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     |     | mg/Kg |   | 03/03/23 13:24 | 03/03/23 23:01 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 03/03/23 13:24 | 03/03/23 23:01 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 03/03/23 13:24 | 03/03/23 23:01 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 91        |           | 70 - 130 |     |       |   | 03/03/23 13:24 | 03/03/23 23:01 | 1       |
| o-Terphenyl                          | 99        |           | 70 - 130 |     |       |   | 03/03/23 13:24 | 03/03/23 23:01 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 155    |           | 5.01 |     | mg/Kg |   |          | 03/04/23 17:25 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-25412-1  
SDG: Eddy County, New Mexico

Client Sample ID: CS-5 (4.5')

Lab Sample ID: 880-25412-5

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 03/03/23 12:24 | 03/05/23 22:48 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 03/03/23 12:24 | 03/05/23 22:48 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 03/03/23 12:24 | 03/05/23 22:48 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 03/03/23 12:24 | 03/05/23 22:48 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 03/03/23 12:24 | 03/05/23 22:48 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 03/03/23 12:24 | 03/05/23 22:48 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 133       | S1+       | 70 - 130 | 03/03/23 12:24 | 03/05/23 22:48 | 1       |
| 1,4-Difluorobenzene (Surr)  | 90        |           | 70 - 130 | 03/03/23 12:24 | 03/05/23 22:48 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 |     | mg/Kg |   |          | 03/06/23 15:00 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 03/06/23 12:56 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 03/03/23 13:24 | 03/03/23 23:22 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 03/03/23 13:24 | 03/03/23 23:22 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 03/03/23 13:24 | 03/03/23 23:22 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 98        |           | 70 - 130 | 03/03/23 13:24 | 03/03/23 23:22 | 1       |
| o-Terphenyl    | 110       |           | 70 - 130 | 03/03/23 13:24 | 03/03/23 23:22 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 483    |           | 5.00 |     | mg/Kg |   |          | 03/04/23 17:30 | 1       |

Client Sample ID: CS-6 (4.5')

Lab Sample ID: 880-25412-6

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 03/03/23 12:24 | 03/05/23 23:14 | 1       |
| Toluene             | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 03/03/23 12:24 | 03/05/23 23:14 | 1       |
| Ethylbenzene        | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 03/03/23 12:24 | 03/05/23 23:14 | 1       |
| m-Xylene & p-Xylene | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 03/03/23 12:24 | 03/05/23 23:14 | 1       |
| o-Xylene            | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 03/03/23 12:24 | 03/05/23 23:14 | 1       |
| Xylenes, Total      | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 03/03/23 12:24 | 03/05/23 23:14 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 103       |           | 70 - 130 | 03/03/23 12:24 | 03/05/23 23:14 | 1       |
| 1,4-Difluorobenzene (Surr)  | 83        |           | 70 - 130 | 03/03/23 12:24 | 03/05/23 23:14 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-25412-1  
SDG: Eddy County, New Mexico

Client Sample ID: CS-6 (4.5')

Lab Sample ID: 880-25412-6

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 |     | mg/Kg |   |          | 03/06/23 15:00 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 03/06/23 12:56 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     |     | mg/Kg |   | 03/03/23 13:24 | 03/03/23 23:44 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 03/03/23 13:24 | 03/03/23 23:44 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 03/03/23 13:24 | 03/03/23 23:44 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 96        |           | 70 - 130 |     |       |   | 03/03/23 13:24 | 03/03/23 23:44 | 1       |
| o-Terphenyl                          | 106       |           | 70 - 130 |     |       |   | 03/03/23 13:24 | 03/03/23 23:44 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 147    |           | 4.96 |     | mg/Kg |   |          | 03/04/23 17:35 | 1       |

Client Sample ID: CS-7 (4.5')

Lab Sample ID: 880-25412-7

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 03/03/23 12:24 | 03/05/23 23:41 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 03/03/23 12:24 | 03/05/23 23:41 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 03/03/23 12:24 | 03/05/23 23:41 | 1       |
| m-Xylene & p-Xylene         | <0.00401  | U         | 0.00401  |     | mg/Kg |   | 03/03/23 12:24 | 03/05/23 23:41 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 03/03/23 12:24 | 03/05/23 23:41 | 1       |
| Xylenes, Total              | <0.00401  | U         | 0.00401  |     | mg/Kg |   | 03/03/23 12:24 | 03/05/23 23:41 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 101       |           | 70 - 130 |     |       |   | 03/03/23 12:24 | 03/05/23 23:41 | 1       |
| 1,4-Difluorobenzene (Surr)  | 76        |           | 70 - 130 |     |       |   | 03/03/23 12:24 | 03/05/23 23:41 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00401 | U         | 0.00401 |     | mg/Kg |   |          | 03/06/23 15:00 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 03/06/23 12:56 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 03/03/23 13:24 | 03/04/23 00:05 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 03/03/23 13:24 | 03/04/23 00:05 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-25412-1  
SDG: Eddy County, New Mexico

Client Sample ID: CS-7 (4.5')

Lab Sample ID: 880-25412-7

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <50.0     | U         | 50.0     |     | mg/Kg |   | 03/03/23 13:24 | 03/04/23 00:05 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                    | 97        |           | 70 - 130 |     |       |   | 03/03/23 13:24 | 03/04/23 00:05 | 1       |
| o-Terphenyl                       | 108       |           | 70 - 130 |     |       |   | 03/03/23 13:24 | 03/04/23 00:05 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 481    |           | 5.05 |     | mg/Kg |   |          | 03/04/23 17:40 | 1       |

Client Sample ID: CS-8 (4.5')

Lab Sample ID: 880-25412-8

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 00:07 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 00:07 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 00:07 | 1       |
| m-Xylene & p-Xylene         | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 00:07 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 00:07 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 00:07 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 102       |           | 70 - 130 |     |       |   | 03/03/23 12:24 | 03/06/23 00:07 | 1       |
| 1,4-Difluorobenzene (Surr)  | 79        |           | 70 - 130 |     |       |   | 03/03/23 12:24 | 03/06/23 00:07 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 03/06/23 15:00 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 03/06/23 12:56 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     |     | mg/Kg |   | 03/03/23 13:24 | 03/04/23 00:27 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 03/03/23 13:24 | 03/04/23 00:27 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 03/03/23 13:24 | 03/04/23 00:27 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 98        |           | 70 - 130 |     |       |   | 03/03/23 13:24 | 03/04/23 00:27 | 1       |
| o-Terphenyl                          | 108       |           | 70 - 130 |     |       |   | 03/03/23 13:24 | 03/04/23 00:27 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 182    |           | 5.02 |     | mg/Kg |   |          | 03/04/23 17:45 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-25412-1  
SDG: Eddy County, New Mexico

Client Sample ID: CS-9 (1.5')

Lab Sample ID: 880-25412-9

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 00:33 | 1       |
| Toluene             | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 00:33 | 1       |
| Ethylbenzene        | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 00:33 | 1       |
| m-Xylene & p-Xylene | <0.00396 | U         | 0.00396 |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 00:33 | 1       |
| o-Xylene            | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 00:33 | 1       |
| Xylenes, Total      | <0.00396 | U         | 0.00396 |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 00:33 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 157       | S1+       | 70 - 130 | 03/03/23 12:24 | 03/06/23 00:33 | 1       |
| 1,4-Difluorobenzene (Surr)  | 94        |           | 70 - 130 | 03/03/23 12:24 | 03/06/23 00:33 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00396 | U         | 0.00396 |     | mg/Kg |   |          | 03/06/23 15:00 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 03/06/23 12:56 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 03/03/23 13:24 | 03/04/23 00:49 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 03/03/23 13:24 | 03/04/23 00:49 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 03/03/23 13:24 | 03/04/23 00:49 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 110       |           | 70 - 130 | 03/03/23 13:24 | 03/04/23 00:49 | 1       |
| o-Terphenyl    | 124       |           | 70 - 130 | 03/03/23 13:24 | 03/04/23 00:49 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 164    |           | 5.04 |     | mg/Kg |   |          | 03/04/23 17:50 | 1       |

Client Sample ID: CS-10 (1.5')

Lab Sample ID: 880-25412-10

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 00:58 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 00:58 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 00:58 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 00:58 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 00:58 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 00:58 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 149       | S1+       | 70 - 130 | 03/03/23 12:24 | 03/06/23 00:58 | 1       |
| 1,4-Difluorobenzene (Surr)  | 91        |           | 70 - 130 | 03/03/23 12:24 | 03/06/23 00:58 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-25412-1  
SDG: Eddy County, New Mexico

Client Sample ID: CS-10 (1.5')

Lab Sample ID: 880-25412-10

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 03/06/23 15:00 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 03/06/23 12:56 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     |     | mg/Kg |   | 03/03/23 13:24 | 03/04/23 01:10 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 03/03/23 13:24 | 03/04/23 01:10 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 03/03/23 13:24 | 03/04/23 01:10 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 90        |           | 70 - 130 |     |       |   | 03/03/23 13:24 | 03/04/23 01:10 | 1       |
| o-Terphenyl                          | 98        |           | 70 - 130 |     |       |   | 03/03/23 13:24 | 03/04/23 01:10 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 40.2   |           | 4.96 |     | mg/Kg |   |          | 03/04/23 18:20 | 1       |

Client Sample ID: CS-11 (1.5')

Lab Sample ID: 880-25412-11

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 02:43 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 02:43 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 02:43 | 1       |
| m-Xylene & p-Xylene         | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 02:43 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 02:43 | 1       |
| Xylenes, Total              | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 02:43 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 116       |           | 70 - 130 |     |       |   | 03/03/23 12:24 | 03/06/23 02:43 | 1       |
| 1,4-Difluorobenzene (Surr)  | 86        |           | 70 - 130 |     |       |   | 03/03/23 12:24 | 03/06/23 02:43 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 |     | mg/Kg |   |          | 03/06/23 15:00 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 03/06/23 12:56 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 03/03/23 13:24 | 03/04/23 01:53 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 03/03/23 13:24 | 03/04/23 01:53 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-25412-1  
SDG: Eddy County, New Mexico

Client Sample ID: CS-11 (1.5')

Lab Sample ID: 880-25412-11

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <49.9     | U         | 49.9     |     | mg/Kg |   | 03/03/23 13:24 | 03/04/23 01:53 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                    | 91        |           | 70 - 130 |     |       |   | 03/03/23 13:24 | 03/04/23 01:53 | 1       |
| o-Terphenyl                       | 99        |           | 70 - 130 |     |       |   | 03/03/23 13:24 | 03/04/23 01:53 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 135    |           | 5.03 |     | mg/Kg |   |          | 03/04/23 18:25 | 1       |

Client Sample ID: CS-12 (1.5')

Lab Sample ID: 880-25412-12

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 03:08 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 03:08 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 03:08 | 1       |
| m-Xylene & p-Xylene         | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 03:08 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 03:08 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 03:08 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 117       |           | 70 - 130 |     |       |   | 03/03/23 12:24 | 03/06/23 03:08 | 1       |
| 1,4-Difluorobenzene (Surr)  | 85        |           | 70 - 130 |     |       |   | 03/03/23 12:24 | 03/06/23 03:08 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 03/06/23 15:00 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 03/06/23 12:56 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     |     | mg/Kg |   | 03/03/23 13:24 | 03/04/23 02:14 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 03/03/23 13:24 | 03/04/23 02:14 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 03/03/23 13:24 | 03/04/23 02:14 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 91        |           | 70 - 130 |     |       |   | 03/03/23 13:24 | 03/04/23 02:14 | 1       |
| o-Terphenyl                          | 103       |           | 70 - 130 |     |       |   | 03/03/23 13:24 | 03/04/23 02:14 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 38.2   |           | 5.00 |     | mg/Kg |   |          | 03/04/23 18:40 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-25412-1  
SDG: Eddy County, New Mexico

Client Sample ID: CS-13 (1.5')

Lab Sample ID: 880-25412-13

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 03:34 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 03:34 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 03:34 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 03:34 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 03:34 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 03:34 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 146       | S1+       | 70 - 130 | 03/03/23 12:24 | 03/06/23 03:34 | 1       |
| 1,4-Difluorobenzene (Surr)  | 91        |           | 70 - 130 | 03/03/23 12:24 | 03/06/23 03:34 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 03/06/23 15:00 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 03/06/23 12:56 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 03/03/23 13:24 | 03/04/23 02:35 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 03/03/23 13:24 | 03/04/23 02:35 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 03/03/23 13:24 | 03/04/23 02:35 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 90        |           | 70 - 130 | 03/03/23 13:24 | 03/04/23 02:35 | 1       |
| o-Terphenyl    | 102       |           | 70 - 130 | 03/03/23 13:24 | 03/04/23 02:35 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 119    |           | 4.95 |     | mg/Kg |   |          | 03/04/23 18:45 | 1       |

Client Sample ID: CS-14 (1.5')

Lab Sample ID: 880-25412-14

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 04:00 | 1       |
| Toluene             | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 04:00 | 1       |
| Ethylbenzene        | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 04:00 | 1       |
| m-Xylene & p-Xylene | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 04:00 | 1       |
| o-Xylene            | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 04:00 | 1       |
| Xylenes, Total      | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 04:00 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 118       |           | 70 - 130 | 03/03/23 12:24 | 03/06/23 04:00 | 1       |
| 1,4-Difluorobenzene (Surr)  | 81        |           | 70 - 130 | 03/03/23 12:24 | 03/06/23 04:00 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-25412-1  
SDG: Eddy County, New Mexico

Client Sample ID: CS-14 (1.5')

Lab Sample ID: 880-25412-14

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 |     | mg/Kg |   |          | 03/06/23 15:00 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 03/06/23 12:56 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     |     | mg/Kg |   | 03/03/23 13:24 | 03/04/23 02:58 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 03/03/23 13:24 | 03/04/23 02:58 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 03/03/23 13:24 | 03/04/23 02:58 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 86        |           | 70 - 130 |     |       |   | 03/03/23 13:24 | 03/04/23 02:58 | 1       |
| o-Terphenyl                          | 96        |           | 70 - 130 |     |       |   | 03/03/23 13:24 | 03/04/23 02:58 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 40.0   |           | 5.02 |     | mg/Kg |   |          | 03/04/23 18:50 | 1       |

Client Sample ID: CS-15 (1.5')

Lab Sample ID: 880-25412-15

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00202  | U         | 0.00202  |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 04:25 | 1       |
| Toluene                     | <0.00202  | U         | 0.00202  |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 04:25 | 1       |
| Ethylbenzene                | <0.00202  | U         | 0.00202  |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 04:25 | 1       |
| m-Xylene & p-Xylene         | <0.00404  | U         | 0.00404  |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 04:25 | 1       |
| o-Xylene                    | <0.00202  | U         | 0.00202  |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 04:25 | 1       |
| Xylenes, Total              | <0.00404  | U         | 0.00404  |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 04:25 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 115       |           | 70 - 130 |     |       |   | 03/03/23 12:24 | 03/06/23 04:25 | 1       |
| 1,4-Difluorobenzene (Surr)  | 82        |           | 70 - 130 |     |       |   | 03/03/23 12:24 | 03/06/23 04:25 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00404 | U         | 0.00404 |     | mg/Kg |   |          | 03/06/23 15:00 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 03/06/23 12:56 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 03/03/23 13:24 | 03/04/23 03:20 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 03/03/23 13:24 | 03/04/23 03:20 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-25412-1  
SDG: Eddy County, New Mexico

## Client Sample ID: CS-15 (1.5')

## Lab Sample ID: 880-25412-15

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <49.9     | U         | 49.9     |     | mg/Kg |   | 03/03/23 13:24 | 03/04/23 03:20 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                    | 83        |           | 70 - 130 |     |       |   | 03/03/23 13:24 | 03/04/23 03:20 | 1       |
| o-Terphenyl                       | 93        |           | 70 - 130 |     |       |   | 03/03/23 13:24 | 03/04/23 03:20 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 148    |           | 5.01 |     | mg/Kg |   |          | 03/04/23 18:54 | 1       |

## Client Sample ID: CS-16 (1.5')

## Lab Sample ID: 880-25412-16

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 04:51 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 04:51 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 04:51 | 1       |
| m-Xylene & p-Xylene         | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 04:51 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 04:51 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 04:51 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 110       |           | 70 - 130 |     |       |   | 03/03/23 12:24 | 03/06/23 04:51 | 1       |
| 1,4-Difluorobenzene (Surr)  | 78        |           | 70 - 130 |     |       |   | 03/03/23 12:24 | 03/06/23 04:51 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 03/06/23 15:00 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 03/06/23 12:56 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     |     | mg/Kg |   | 03/03/23 13:24 | 03/04/23 03:41 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 03/03/23 13:24 | 03/04/23 03:41 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 03/03/23 13:24 | 03/04/23 03:41 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 105       |           | 70 - 130 |     |       |   | 03/03/23 13:24 | 03/04/23 03:41 | 1       |
| o-Terphenyl                          | 117       |           | 70 - 130 |     |       |   | 03/03/23 13:24 | 03/04/23 03:41 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 36.8   |           | 5.05 |     | mg/Kg |   |          | 03/04/23 18:59 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-25412-1  
SDG: Eddy County, New Mexico

Client Sample ID: CS-17 (1.5')

Lab Sample ID: 880-25412-17

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 05:17 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 05:17 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 05:17 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 05:17 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 05:17 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 05:17 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 117       |           | 70 - 130 | 03/03/23 12:24 | 03/06/23 05:17 | 1       |
| 1,4-Difluorobenzene (Surr)  | 80        |           | 70 - 130 | 03/03/23 12:24 | 03/06/23 05:17 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 03/06/23 15:00 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 03/06/23 12:56 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 03/03/23 13:24 | 03/04/23 04:02 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 03/03/23 13:24 | 03/04/23 04:02 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 03/03/23 13:24 | 03/04/23 04:02 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 105       |           | 70 - 130 | 03/03/23 13:24 | 03/04/23 04:02 | 1       |
| o-Terphenyl    | 121       |           | 70 - 130 | 03/03/23 13:24 | 03/04/23 04:02 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 40.0   |           | 5.03 |     | mg/Kg |   |          | 03/04/23 19:04 | 1       |

Client Sample ID: SW-1 (4.5')

Lab Sample ID: 880-25412-18

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 05:43 | 1       |
| Toluene             | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 05:43 | 1       |
| Ethylbenzene        | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 05:43 | 1       |
| m-Xylene & p-Xylene | <0.00397 | U         | 0.00397 |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 05:43 | 1       |
| o-Xylene            | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 05:43 | 1       |
| Xylenes, Total      | <0.00397 | U         | 0.00397 |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 05:43 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 113       |           | 70 - 130 | 03/03/23 12:24 | 03/06/23 05:43 | 1       |
| 1,4-Difluorobenzene (Surr)  | 84        |           | 70 - 130 | 03/03/23 12:24 | 03/06/23 05:43 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-25412-1  
SDG: Eddy County, New Mexico

Client Sample ID: SW-1 (4.5')

Lab Sample ID: 880-25412-18

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00397 | U         | 0.00397 |     | mg/Kg |   |          | 03/06/23 15:00 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 03/06/23 12:56 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     |     | mg/Kg |   | 03/03/23 13:24 | 03/04/23 04:23 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 03/03/23 13:24 | 03/04/23 04:23 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 03/03/23 13:24 | 03/04/23 04:23 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 90        |           | 70 - 130 |     |       |   | 03/03/23 13:24 | 03/04/23 04:23 | 1       |
| o-Terphenyl                          | 97        |           | 70 - 130 |     |       |   | 03/03/23 13:24 | 03/04/23 04:23 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 154    |           | 4.96 |     | mg/Kg |   |          | 03/04/23 19:09 | 1       |

Client Sample ID: SW-2 (4.5')

Lab Sample ID: 880-25412-19

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 06:09 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 06:09 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 06:09 | 1       |
| m-Xylene & p-Xylene         | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 06:09 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 06:09 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 06:09 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 139       | S1+       | 70 - 130 |     |       |   | 03/03/23 12:24 | 03/06/23 06:09 | 1       |
| 1,4-Difluorobenzene (Surr)  | 88        |           | 70 - 130 |     |       |   | 03/03/23 12:24 | 03/06/23 06:09 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 03/06/23 15:00 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 03/06/23 12:56 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 03/03/23 13:24 | 03/04/23 04:45 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 03/03/23 13:24 | 03/04/23 04:45 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-25412-1  
SDG: Eddy County, New Mexico

Client Sample ID: SW-2 (4.5')

Lab Sample ID: 880-25412-19

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <50.0     | U         | 50.0     |     | mg/Kg |   | 03/03/23 13:24 | 03/04/23 04:45 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                    | 98        |           | 70 - 130 |     |       |   | 03/03/23 13:24 | 03/04/23 04:45 | 1       |
| o-Terphenyl                       | 111       |           | 70 - 130 |     |       |   | 03/03/23 13:24 | 03/04/23 04:45 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 33.3   |           | 4.95 |     | mg/Kg |   |          | 03/04/23 18:27 | 1       |

Client Sample ID: SW-3 (4.5')

Lab Sample ID: 880-25412-20

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 06:36 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 06:36 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 06:36 | 1       |
| m-Xylene & p-Xylene         | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 06:36 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 06:36 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 03/03/23 12:24 | 03/06/23 06:36 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 146       | S1+       | 70 - 130 |     |       |   | 03/03/23 12:24 | 03/06/23 06:36 | 1       |
| 1,4-Difluorobenzene (Surr)  | 88        |           | 70 - 130 |     |       |   | 03/03/23 12:24 | 03/06/23 06:36 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 03/06/23 15:00 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 03/06/23 12:56 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     |     | mg/Kg |   | 03/03/23 13:24 | 03/04/23 05:06 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 03/03/23 13:24 | 03/04/23 05:06 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 03/03/23 13:24 | 03/04/23 05:06 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 84        |           | 70 - 130 |     |       |   | 03/03/23 13:24 | 03/04/23 05:06 | 1       |
| o-Terphenyl                          | 92        |           | 70 - 130 |     |       |   | 03/03/23 13:24 | 03/04/23 05:06 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 113    |           | 5.02 |     | mg/Kg |   |          | 03/04/23 18:45 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-25412-1  
SDG: Eddy County, New Mexico

Client Sample ID: SW-4 (4.5')

Lab Sample ID: 880-25412-21

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00202 | U F1 F2   | 0.00202 |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 02:15 | 1       |
| Toluene             | <0.00202 | U F1 F2   | 0.00202 |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 02:15 | 1       |
| Ethylbenzene        | <0.00202 | U F1      | 0.00202 |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 02:15 | 1       |
| m-Xylene & p-Xylene | <0.00403 | U F1 F2   | 0.00403 |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 02:15 | 1       |
| o-Xylene            | <0.00202 | U F1 F2   | 0.00202 |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 02:15 | 1       |
| Xylenes, Total      | <0.00403 | U F1 F2   | 0.00403 |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 02:15 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 138       | S1+       | 70 - 130 | 03/06/23 12:32 | 03/07/23 02:15 | 1       |
| 1,4-Difluorobenzene (Surr)  | 79        |           | 70 - 130 | 03/06/23 12:32 | 03/07/23 02:15 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00403 | U         | 0.00403 |     | mg/Kg |   |          | 03/07/23 16:00 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 03/06/23 12:22 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 03/03/23 14:07 | 03/04/23 13:10 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 03/03/23 14:07 | 03/04/23 13:10 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 03/03/23 14:07 | 03/04/23 13:10 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 105       |           | 70 - 130 | 03/03/23 14:07 | 03/04/23 13:10 | 1       |
| o-Terphenyl    | 113       |           | 70 - 130 | 03/03/23 14:07 | 03/04/23 13:10 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 34.0   |           | 5.00 |     | mg/Kg |   |          | 03/04/23 18:51 | 1       |

Client Sample ID: SW-5 (4.5')

Lab Sample ID: 880-25412-22

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 02:42 | 1       |
| Toluene             | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 02:42 | 1       |
| Ethylbenzene        | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 02:42 | 1       |
| m-Xylene & p-Xylene | <0.00404 | U         | 0.00404 |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 02:42 | 1       |
| o-Xylene            | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 02:42 | 1       |
| Xylenes, Total      | <0.00404 | U         | 0.00404 |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 02:42 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 124       |           | 70 - 130 | 03/06/23 12:32 | 03/07/23 02:42 | 1       |
| 1,4-Difluorobenzene (Surr)  | 77        |           | 70 - 130 | 03/06/23 12:32 | 03/07/23 02:42 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-25412-1  
SDG: Eddy County, New Mexico

Client Sample ID: SW-5 (4.5')

Lab Sample ID: 880-25412-22

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00404 | U         | 0.00404 |     | mg/Kg |   |          | 03/07/23 16:00 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 03/06/23 12:22 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     |     | mg/Kg |   | 03/03/23 14:07 | 03/04/23 13:33 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 03/03/23 14:07 | 03/04/23 13:33 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 03/03/23 14:07 | 03/04/23 13:33 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 126       |           | 70 - 130 |     |       |   | 03/03/23 14:07 | 03/04/23 13:33 | 1       |
| o-Terphenyl                          | 125       |           | 70 - 130 |     |       |   | 03/03/23 14:07 | 03/04/23 13:33 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 40.7   |           | 4.98 |     | mg/Kg |   |          | 03/04/23 18:57 | 1       |

Client Sample ID: SW-6 (4.5')

Lab Sample ID: 880-25412-23

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 03:08 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 03:08 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 03:08 | 1       |
| m-Xylene & p-Xylene         | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 03:08 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 03:08 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 03:08 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 162       | S1+       | 70 - 130 |     |       |   | 03/06/23 12:32 | 03/07/23 03:08 | 1       |
| 1,4-Difluorobenzene (Surr)  | 87        |           | 70 - 130 |     |       |   | 03/06/23 12:32 | 03/07/23 03:08 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 03/07/23 16:00 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 03/06/23 12:22 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 03/03/23 14:07 | 03/04/23 13:55 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 03/03/23 14:07 | 03/04/23 13:55 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-25412-1  
SDG: Eddy County, New Mexico

Client Sample ID: SW-6 (4.5')

Lab Sample ID: 880-25412-23

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <49.9     | U         | 49.9     |     | mg/Kg |   | 03/03/23 14:07 | 03/04/23 13:55 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                    | 104       |           | 70 - 130 |     |       |   | 03/03/23 14:07 | 03/04/23 13:55 | 1       |
| o-Terphenyl                       | 111       |           | 70 - 130 |     |       |   | 03/03/23 14:07 | 03/04/23 13:55 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 137    |           | 5.03 |     | mg/Kg |   |          | 03/04/23 19:04 | 1       |

Client Sample ID: SW-7 (4.5')

Lab Sample ID: 880-25412-24

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | 0.0117    |           | 0.00199  |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 03:35 | 1       |
| Toluene                     | 0.00300   |           | 0.00199  |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 03:35 | 1       |
| Ethylbenzene                | 0.0109    |           | 0.00199  |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 03:35 | 1       |
| m-Xylene & p-Xylene         | 0.0143    |           | 0.00398  |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 03:35 | 1       |
| o-Xylene                    | 0.00737   |           | 0.00199  |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 03:35 | 1       |
| Xylenes, Total              | 0.0217    |           | 0.00398  |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 03:35 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 15752     | S1+       | 70 - 130 |     |       |   | 03/06/23 12:32 | 03/07/23 03:35 | 1       |
| 1,4-Difluorobenzene (Surr)  | 172       | S1+       | 70 - 130 |     |       |   | 03/06/23 12:32 | 03/07/23 03:35 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 0.0473 |           | 0.00398 |     | mg/Kg |   |          | 03/07/23 16:00 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 03/06/23 12:22 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     |     | mg/Kg |   | 03/03/23 14:07 | 03/04/23 14:17 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 03/03/23 14:07 | 03/04/23 14:17 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 03/03/23 14:07 | 03/04/23 14:17 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 107       |           | 70 - 130 |     |       |   | 03/03/23 14:07 | 03/04/23 14:17 | 1       |
| o-Terphenyl                          | 111       |           | 70 - 130 |     |       |   | 03/03/23 14:07 | 03/04/23 14:17 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 47.4   |           | 4.98 |     | mg/Kg |   |          | 03/04/23 19:22 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-25412-1  
SDG: Eddy County, New Mexico

Client Sample ID: SW-8 (1.5')

Lab Sample ID: 880-25412-25

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 04:00 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 04:00 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 04:00 | 1       |
| m-Xylene & p-Xylene | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 04:00 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 04:00 | 1       |
| Xylenes, Total      | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 04:00 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 148       | S1+       | 70 - 130 | 03/06/23 12:32 | 03/07/23 04:00 | 1       |
| 1,4-Difluorobenzene (Surr)  | 78        |           | 70 - 130 | 03/06/23 12:32 | 03/07/23 04:00 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00401 | U         | 0.00401 |     | mg/Kg |   |          | 03/07/23 16:00 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 03/06/23 12:22 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 03/03/23 14:07 | 03/04/23 14:38 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 03/03/23 14:07 | 03/04/23 14:38 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 03/03/23 14:07 | 03/04/23 14:38 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 113       |           | 70 - 130 | 03/03/23 14:07 | 03/04/23 14:38 | 1       |
| o-Terphenyl    | 121       |           | 70 - 130 | 03/03/23 14:07 | 03/04/23 14:38 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 28.4   |           | 4.98 |     | mg/Kg |   |          | 03/04/23 19:28 | 1       |

Client Sample ID: SW-9 (1.5')

Lab Sample ID: 880-25412-26

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 04:26 | 1       |
| Toluene             | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 04:26 | 1       |
| Ethylbenzene        | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 04:26 | 1       |
| m-Xylene & p-Xylene | <0.00396 | U         | 0.00396 |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 04:26 | 1       |
| o-Xylene            | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 04:26 | 1       |
| Xylenes, Total      | <0.00396 | U         | 0.00396 |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 04:26 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 175       | S1+       | 70 - 130 | 03/06/23 12:32 | 03/07/23 04:26 | 1       |
| 1,4-Difluorobenzene (Surr)  | 86        |           | 70 - 130 | 03/06/23 12:32 | 03/07/23 04:26 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-25412-1  
SDG: Eddy County, New Mexico

Client Sample ID: SW-9 (1.5')

Lab Sample ID: 880-25412-26

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00396 | U         | 0.00396 |     | mg/Kg |   |          | 03/07/23 16:00 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 03/06/23 12:22 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     |     | mg/Kg |   | 03/03/23 14:07 | 03/04/23 14:59 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 03/03/23 14:07 | 03/04/23 14:59 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 03/03/23 14:07 | 03/04/23 14:59 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 102       |           | 70 - 130 |     |       |   | 03/03/23 14:07 | 03/04/23 14:59 | 1       |
| o-Terphenyl                          | 113       |           | 70 - 130 |     |       |   | 03/03/23 14:07 | 03/04/23 14:59 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 92.3   |           | 4.97 |     | mg/Kg |   |          | 03/04/23 19:34 | 1       |

Client Sample ID: SW-10 (1.5')

Lab Sample ID: 880-25412-27

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 04:52 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 04:52 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 04:52 | 1       |
| m-Xylene & p-Xylene         | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 04:52 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 04:52 | 1       |
| Xylenes, Total              | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 04:52 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 137       | S1+       | 70 - 130 |     |       |   | 03/06/23 12:32 | 03/07/23 04:52 | 1       |
| 1,4-Difluorobenzene (Surr)  | 78        |           | 70 - 130 |     |       |   | 03/06/23 12:32 | 03/07/23 04:52 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 |     | mg/Kg |   |          | 03/07/23 16:00 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 03/06/23 12:22 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 03/03/23 14:07 | 03/04/23 15:21 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 03/03/23 14:07 | 03/04/23 15:21 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-25412-1  
SDG: Eddy County, New Mexico

Client Sample ID: SW-10 (1.5')

Lab Sample ID: 880-25412-27

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <50.0     | U         | 50.0     |     | mg/Kg |   | 03/03/23 14:07 | 03/04/23 15:21 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                    | 106       |           | 70 - 130 |     |       |   | 03/03/23 14:07 | 03/04/23 15:21 | 1       |
| o-Terphenyl                       | 112       |           | 70 - 130 |     |       |   | 03/03/23 14:07 | 03/04/23 15:21 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 50.6   |           | 5.00 |     | mg/Kg |   |          | 03/04/23 19:41 | 1       |

Client Sample ID: SW-11 (1.5')

Lab Sample ID: 880-25412-28

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 05:19 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 05:19 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 05:19 | 1       |
| m-Xylene & p-Xylene         | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 05:19 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 05:19 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 05:19 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 139       | S1+       | 70 - 130 |     |       |   | 03/06/23 12:32 | 03/07/23 05:19 | 1       |
| 1,4-Difluorobenzene (Surr)  | 85        |           | 70 - 130 |     |       |   | 03/06/23 12:32 | 03/07/23 05:19 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 03/07/23 16:00 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 03/06/23 12:22 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     |     | mg/Kg |   | 03/03/23 14:07 | 03/04/23 15:42 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 03/03/23 14:07 | 03/04/23 15:42 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 03/03/23 14:07 | 03/04/23 15:42 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 109       |           | 70 - 130 |     |       |   | 03/03/23 14:07 | 03/04/23 15:42 | 1       |
| o-Terphenyl                          | 116       |           | 70 - 130 |     |       |   | 03/03/23 14:07 | 03/04/23 15:42 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 45.4   |           | 5.02 |     | mg/Kg |   |          | 03/04/23 19:47 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-25412-1  
SDG: Eddy County, New Mexico

Client Sample ID: SW-12 (1.5')

Lab Sample ID: 880-25412-29

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 05:45 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 05:45 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 05:45 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 05:45 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 05:45 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 05:45 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 130       |           | 70 - 130 | 03/06/23 12:32 | 03/07/23 05:45 | 1       |
| 1,4-Difluorobenzene (Surr)  | 77        |           | 70 - 130 | 03/06/23 12:32 | 03/07/23 05:45 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 03/07/23 16:00 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 03/06/23 12:22 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 03/03/23 14:07 | 03/04/23 16:25 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 03/03/23 14:07 | 03/04/23 16:25 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 03/03/23 14:07 | 03/04/23 16:25 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 102       |           | 70 - 130 | 03/03/23 14:07 | 03/04/23 16:25 | 1       |
| o-Terphenyl    | 110       |           | 70 - 130 | 03/03/23 14:07 | 03/04/23 16:25 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 65.1   |           | 5.04 |     | mg/Kg |   |          | 03/04/23 19:53 | 1       |

Client Sample ID: SW-13 (1.5')

Lab Sample ID: 880-25412-30

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 06:12 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 06:12 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 06:12 | 1       |
| m-Xylene & p-Xylene | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 06:12 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 06:12 | 1       |
| Xylenes, Total      | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 06:12 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 143       | S1+       | 70 - 130 | 03/06/23 12:32 | 03/07/23 06:12 | 1       |
| 1,4-Difluorobenzene (Surr)  | 81        |           | 70 - 130 | 03/06/23 12:32 | 03/07/23 06:12 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-25412-1  
SDG: Eddy County, New Mexico

Client Sample ID: SW-13 (1.5')

Lab Sample ID: 880-25412-30

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00401 | U         | 0.00401 |     | mg/Kg |   |          | 03/07/23 16:00 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 03/06/23 12:22 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     |     | mg/Kg |   | 03/03/23 14:07 | 03/04/23 16:46 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 03/03/23 14:07 | 03/04/23 16:46 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 03/03/23 14:07 | 03/04/23 16:46 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 119       |           | 70 - 130 |     |       |   | 03/03/23 14:07 | 03/04/23 16:46 | 1       |
| o-Terphenyl                          | 118       |           | 70 - 130 |     |       |   | 03/03/23 14:07 | 03/04/23 16:46 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 52.5   |           | 5.03 |     | mg/Kg |   |          | 03/04/23 20:11 | 1       |

Client Sample ID: SW-14 (1.5')

Lab Sample ID: 880-25412-31

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 08:00 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 08:00 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 08:00 | 1       |
| m-Xylene & p-Xylene         | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 08:00 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 08:00 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 08:00 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 135       | S1+       | 70 - 130 |     |       |   | 03/06/23 12:32 | 03/07/23 08:00 | 1       |
| 1,4-Difluorobenzene (Surr)  | 70        |           | 70 - 130 |     |       |   | 03/06/23 12:32 | 03/07/23 08:00 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 03/07/23 16:00 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 03/06/23 12:22 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 03/03/23 14:07 | 03/04/23 17:08 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 03/03/23 14:07 | 03/04/23 17:08 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-25412-1  
SDG: Eddy County, New Mexico

Client Sample ID: SW-14 (1.5')

Lab Sample ID: 880-25412-31

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <49.9     | U         | 49.9     |     | mg/Kg |   | 03/03/23 14:07 | 03/04/23 17:08 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                    | 101       |           | 70 - 130 |     |       |   | 03/03/23 14:07 | 03/04/23 17:08 | 1       |
| o-Terphenyl                       | 109       |           | 70 - 130 |     |       |   | 03/03/23 14:07 | 03/04/23 17:08 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 41.3   |           | 4.98 |     | mg/Kg |   |          | 03/04/23 20:17 | 1       |

Client Sample ID: SW-15 (1.5')

Lab Sample ID: 880-25412-32

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 03/03/23 11:55 | 03/06/23 19:46 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 03/03/23 11:55 | 03/06/23 19:46 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 03/03/23 11:55 | 03/06/23 19:46 | 1       |
| m-Xylene & p-Xylene         | <0.00398  | U **      | 0.00398  |     | mg/Kg |   | 03/03/23 11:55 | 03/06/23 19:46 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 03/03/23 11:55 | 03/06/23 19:46 | 1       |
| Xylenes, Total              | <0.00398  | U **      | 0.00398  |     | mg/Kg |   | 03/03/23 11:55 | 03/06/23 19:46 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 115       |           | 70 - 130 |     |       |   | 03/03/23 11:55 | 03/06/23 19:46 | 1       |
| 1,4-Difluorobenzene (Surr)  | 106       |           | 70 - 130 |     |       |   | 03/03/23 11:55 | 03/06/23 19:46 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 03/07/23 13:15 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 03/06/23 12:22 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     |     | mg/Kg |   | 03/03/23 14:07 | 03/04/23 17:29 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 03/03/23 14:07 | 03/04/23 17:29 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 03/03/23 14:07 | 03/04/23 17:29 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 104       |           | 70 - 130 |     |       |   | 03/03/23 14:07 | 03/04/23 17:29 | 1       |
| o-Terphenyl                          | 116       |           | 70 - 130 |     |       |   | 03/03/23 14:07 | 03/04/23 17:29 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 33.7   |           | 5.00 |     | mg/Kg |   |          | 03/04/23 20:36 | 1       |

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## Surrogate Summary

Client: Carmona Resources

Job ID: 880-25412-1

Project/Site: Road Runner Fed Com 023H (12.16.22)

SDG: Eddy County, New Mexico

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

| Lab Sample ID       | Client Sample ID       | Percent Surrogate Recovery (Acceptance Limits) |                   |
|---------------------|------------------------|------------------------------------------------|-------------------|
|                     |                        | BFB1<br>(70-130)                               | DFBZ1<br>(70-130) |
| 880-25400-A-1-E MS  | Matrix Spike           | 119                                            | 114               |
| 880-25400-A-1-F MSD | Matrix Spike Duplicate | 117                                            | 104               |
| 880-25412-1         | CS-1 (4.5')            | 104                                            | 79                |
| 880-25412-1 MS      | CS-1 (4.5')            | 95                                             | 92                |
| 880-25412-1 MSD     | CS-1 (4.5')            | 107                                            | 85                |
| 880-25412-2         | CS-2 (4.5')            | 113                                            | 87                |
| 880-25412-3         | CS-3 (4.5')            | 128                                            | 89                |
| 880-25412-4         | CS-4 (4.5')            | 100                                            | 95                |
| 880-25412-5         | CS-5 (4.5')            | 133 S1+                                        | 90                |
| 880-25412-6         | CS-6 (4.5')            | 103                                            | 83                |
| 880-25412-7         | CS-7 (4.5')            | 101                                            | 76                |
| 880-25412-8         | CS-8 (4.5')            | 102                                            | 79                |
| 880-25412-9         | CS-9 (1.5')            | 157 S1+                                        | 94                |
| 880-25412-10        | CS-10 (1.5')           | 149 S1+                                        | 91                |
| 880-25412-11        | CS-11 (1.5')           | 116                                            | 86                |
| 880-25412-12        | CS-12 (1.5')           | 117                                            | 85                |
| 880-25412-13        | CS-13 (1.5')           | 146 S1+                                        | 91                |
| 880-25412-14        | CS-14 (1.5')           | 118                                            | 81                |
| 880-25412-15        | CS-15 (1.5')           | 115                                            | 82                |
| 880-25412-16        | CS-16 (1.5')           | 110                                            | 78                |
| 880-25412-17        | CS-17 (1.5')           | 117                                            | 80                |
| 880-25412-18        | SW-1 (4.5')            | 113                                            | 84                |
| 880-25412-19        | SW-2 (4.5')            | 139 S1+                                        | 88                |
| 880-25412-20        | SW-3 (4.5')            | 146 S1+                                        | 88                |
| 880-25412-21        | SW-4 (4.5')            | 138 S1+                                        | 79                |
| 880-25412-21 MS     | SW-4 (4.5')            | 103                                            | 71                |
| 880-25412-21 MSD    | SW-4 (4.5')            | 140 S1+                                        | 9 S1-             |
| 880-25412-22        | SW-5 (4.5')            | 124                                            | 77                |
| 880-25412-23        | SW-6 (4.5')            | 162 S1+                                        | 87                |
| 880-25412-24        | SW-7 (4.5')            | 15752<br>S1+                                   | 172 S1+           |
| 880-25412-25        | SW-8 (1.5')            | 148 S1+                                        | 78                |
| 880-25412-26        | SW-9 (1.5')            | 175 S1+                                        | 86                |
| 880-25412-27        | SW-10 (1.5')           | 137 S1+                                        | 78                |
| 880-25412-28        | SW-11 (1.5')           | 139 S1+                                        | 85                |
| 880-25412-29        | SW-12 (1.5')           | 130                                            | 77                |
| 880-25412-30        | SW-13 (1.5')           | 143 S1+                                        | 81                |
| 880-25412-31        | SW-14 (1.5')           | 135 S1+                                        | 70                |
| 880-25412-32        | SW-15 (1.5')           | 115                                            | 106               |
| LCS 880-47724/1-A   | Lab Control Sample     | 115                                            | 109               |
| LCS 880-47731/1-A   | Lab Control Sample     | 124                                            | 87                |
| LCS 880-47733/1-A   | Lab Control Sample     | 134 S1+                                        | 92                |
| LCSD 880-47724/2-A  | Lab Control Sample Dup | 111                                            | 109               |
| LCSD 880-47731/2-A  | Lab Control Sample Dup | 116                                            | 96                |
| LCSD 880-47733/2-A  | Lab Control Sample Dup | 146 S1+                                        | 91                |
| MB 880-47724/5-A    | Method Blank           | 107                                            | 102               |
| MB 880-47731/5-A    | Method Blank           | 78                                             | 81                |
| MB 880-47733/5-A    | Method Blank           | 91                                             | 84                |
| MB 880-47777/5-A    | Method Blank           | 83                                             | 85                |

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## Surrogate Summary

Client: Carmona Resources

Job ID: 880-25412-1

Project/Site: Road Runner Fed Com 023H (12.16.22)

SDG: Eddy County, New Mexico

## Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

## Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID       | Client Sample ID       | 1CO1<br>(70-130) | OTPH1<br>(70-130) |
|---------------------|------------------------|------------------|-------------------|
| 880-25410-A-1-F MS  | Matrix Spike           | 118              | 122               |
| 880-25410-A-1-G MSD | Matrix Spike Duplicate | 114              | 119               |
| 880-25412-1         | CS-1 (4.5')            | 109              | 120               |
| 880-25412-1 MS      | CS-1 (4.5')            | 106              | 109               |
| 880-25412-1 MSD     | CS-1 (4.5')            | 108              | 108               |
| 880-25412-2         | CS-2 (4.5')            | 97               | 107               |
| 880-25412-3         | CS-3 (4.5')            | 116              | 133 S1+           |
| 880-25412-4         | CS-4 (4.5')            | 91               | 99                |
| 880-25412-5         | CS-5 (4.5')            | 98               | 110               |
| 880-25412-6         | CS-6 (4.5')            | 96               | 106               |
| 880-25412-7         | CS-7 (4.5')            | 97               | 108               |
| 880-25412-8         | CS-8 (4.5')            | 98               | 108               |
| 880-25412-9         | CS-9 (1.5')            | 110              | 124               |
| 880-25412-10        | CS-10 (1.5')           | 90               | 98                |
| 880-25412-11        | CS-11 (1.5')           | 91               | 99                |
| 880-25412-12        | CS-12 (1.5')           | 91               | 103               |
| 880-25412-13        | CS-13 (1.5')           | 90               | 102               |
| 880-25412-14        | CS-14 (1.5')           | 86               | 96                |
| 880-25412-15        | CS-15 (1.5')           | 83               | 93                |
| 880-25412-16        | CS-16 (1.5')           | 105              | 117               |
| 880-25412-17        | CS-17 (1.5')           | 105              | 121               |
| 880-25412-18        | SW-1 (4.5')            | 90               | 97                |
| 880-25412-19        | SW-2 (4.5')            | 98               | 111               |
| 880-25412-20        | SW-3 (4.5')            | 84               | 92                |
| 880-25412-21        | SW-4 (4.5')            | 105              | 113               |
| 880-25412-22        | SW-5 (4.5')            | 126              | 125               |
| 880-25412-23        | SW-6 (4.5')            | 104              | 111               |
| 880-25412-24        | SW-7 (4.5')            | 107              | 111               |
| 880-25412-25        | SW-8 (1.5')            | 113              | 121               |
| 880-25412-26        | SW-9 (1.5')            | 102              | 113               |
| 880-25412-27        | SW-10 (1.5')           | 106              | 112               |
| 880-25412-28        | SW-11 (1.5')           | 109              | 116               |
| 880-25412-29        | SW-12 (1.5')           | 102              | 110               |
| 880-25412-30        | SW-13 (1.5')           | 119              | 118               |
| 880-25412-31        | SW-14 (1.5')           | 101              | 109               |
| 880-25412-32        | SW-15 (1.5')           | 104              | 116               |
| LCS 880-47752/2-A   | Lab Control Sample     | 73               | 81                |
| LCS 880-47759/2-A   | Lab Control Sample     | 113              | 125               |
| LCSD 880-47752/3-A  | Lab Control Sample Dup | 74               | 81                |
| LCSD 880-47759/3-A  | Lab Control Sample Dup | 98               | 117               |
| MB 880-47752/1-A    | Method Blank           | 128              | 147 S1+           |
| MB 880-47759/1-A    | Method Blank           | 126              | 137 S1+           |

## Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-25412-1  
SDG: Eddy County, New Mexico

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-47724/5-A

Matrix: Solid

Analysis Batch: 47864

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 47724

| Analyte             | MB<br>Result | MB<br>Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------------|-----------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 03/03/23 11:55 | 03/06/23 11:21 | 1       |
| Toluene             | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 03/03/23 11:55 | 03/06/23 11:21 | 1       |
| Ethylbenzene        | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 03/03/23 11:55 | 03/06/23 11:21 | 1       |
| m-Xylene & p-Xylene | <0.00400     | U               | 0.00400 |     | mg/Kg |   | 03/03/23 11:55 | 03/06/23 11:21 | 1       |
| o-Xylene            | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 03/03/23 11:55 | 03/06/23 11:21 | 1       |
| Xylenes, Total      | <0.00400     | U               | 0.00400 |     | mg/Kg |   | 03/03/23 11:55 | 03/06/23 11:21 | 1       |

| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 107             |                 | 70 - 130 | 03/03/23 11:55 | 03/06/23 11:21 | 1       |
| 1,4-Difluorobenzene (Surr)  | 102             |                 | 70 - 130 | 03/03/23 11:55 | 03/06/23 11:21 | 1       |

Lab Sample ID: LCS 880-47724/1-A

Matrix: Solid

Analysis Batch: 47864

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47724

| Analyte             | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------------------|----------------|---------------|------------------|-------|---|------|----------------|
| Benzene             | 0.100          | 0.1199        |                  | mg/Kg |   | 120  | 70 - 130       |
| Toluene             | 0.100          | 0.1170        |                  | mg/Kg |   | 117  | 70 - 130       |
| Ethylbenzene        | 0.100          | 0.1237        |                  | mg/Kg |   | 124  | 70 - 130       |
| m-Xylene & p-Xylene | 0.200          | 0.2670        | *+               | mg/Kg |   | 133  | 70 - 130       |
| o-Xylene            | 0.100          | 0.1270        |                  | mg/Kg |   | 127  | 70 - 130       |

| Surrogate                   | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 115              |                  | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 109              |                  | 70 - 130 |

Lab Sample ID: LCSD 880-47724/2-A

Matrix: Solid

Analysis Batch: 47864

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 47724

| Analyte             | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|---------------------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Benzene             | 0.100          | 0.1282         |                   | mg/Kg |   | 128  | 70 - 130       | 7   | 35           |
| Toluene             | 0.100          | 0.1218         |                   | mg/Kg |   | 122  | 70 - 130       | 4   | 35           |
| Ethylbenzene        | 0.100          | 0.1248         |                   | mg/Kg |   | 125  | 70 - 130       | 1   | 35           |
| m-Xylene & p-Xylene | 0.200          | 0.2642         | *+                | mg/Kg |   | 132  | 70 - 130       | 1   | 35           |
| o-Xylene            | 0.100          | 0.1276         |                   | mg/Kg |   | 128  | 70 - 130       | 0   | 35           |

| Surrogate                   | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits   |
|-----------------------------|-------------------|-------------------|----------|
| 4-Bromofluorobenzene (Surr) | 111               |                   | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 109               |                   | 70 - 130 |

Lab Sample ID: 880-25400-A-1-E MS

Matrix: Solid

Analysis Batch: 47864

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 47724

| Analyte | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Benzene | <0.00201         | U                   | 0.100          | 0.1146       |                 | mg/Kg |   | 114  | 70 - 130       |
| Toluene | <0.00201         | U                   | 0.100          | 0.1064       |                 | mg/Kg |   | 105  | 70 - 130       |

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## QC Sample Results

Client: Carmona Resources

Job ID: 880-25412-1

Project/Site: Road Runner Fed Com 023H (12.16.22)

SDG: Eddy County, New Mexico

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-25400-A-1-E MS

Client Sample ID: Matrix Spike

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 47864

Prep Batch: 47724

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene        | <0.00201      | U                | 0.100       | 0.1103    |              | mg/Kg |   | 110  | 70 - 130    |
| m-Xylene & p-Xylene | <0.00402      | U *              | 0.200       | 0.2336    |              | mg/Kg |   | 117  | 70 - 130    |
| o-Xylene            | <0.00201      | U                | 0.100       | 0.1140    |              | mg/Kg |   | 113  | 70 - 130    |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 119          |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 114          |              | 70 - 130 |

Lab Sample ID: 880-25400-A-1-F MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 47864

Prep Batch: 47724

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene             | <0.00201      | U                | 0.0996      | 0.08869    |               | mg/Kg |   | 89   | 70 - 130    | 25  | 35        |
| Toluene             | <0.00201      | U                | 0.0996      | 0.09256    |               | mg/Kg |   | 92   | 70 - 130    | 14  | 35        |
| Ethylbenzene        | <0.00201      | U                | 0.0996      | 0.09299    |               | mg/Kg |   | 93   | 70 - 130    | 17  | 35        |
| m-Xylene & p-Xylene | <0.00402      | U *              | 0.199       | 0.1977     |               | mg/Kg |   | 99   | 70 - 130    | 17  | 35        |
| o-Xylene            | <0.00201      | U                | 0.0996      | 0.09727    |               | mg/Kg |   | 97   | 70 - 130    | 16  | 35        |

| Surrogate                   | MSD %Recovery | MSD Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 117           |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 104           |               | 70 - 130 |

Lab Sample ID: MB 880-47731/5-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 47853

Prep Batch: 47731

| Analyte             | MB Result | MB Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 03/03/23 12:24 | 03/05/23 20:35 | 1       |
| Toluene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 03/03/23 12:24 | 03/05/23 20:35 | 1       |
| Ethylbenzene        | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 03/03/23 12:24 | 03/05/23 20:35 | 1       |
| m-Xylene & p-Xylene | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 03/03/23 12:24 | 03/05/23 20:35 | 1       |
| o-Xylene            | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 03/03/23 12:24 | 03/05/23 20:35 | 1       |
| Xylenes, Total      | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 03/03/23 12:24 | 03/05/23 20:35 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 78           |              | 70 - 130 | 03/03/23 12:24 | 03/05/23 20:35 | 1       |
| 1,4-Difluorobenzene (Surr)  | 81           |              | 70 - 130 | 03/03/23 12:24 | 03/05/23 20:35 | 1       |

Lab Sample ID: LCS 880-47731/1-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 47853

Prep Batch: 47731

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene             | 0.100       | 0.1014     |               | mg/Kg |   | 101  | 70 - 130    |
| Toluene             | 0.100       | 0.1006     |               | mg/Kg |   | 101  | 70 - 130    |
| Ethylbenzene        | 0.100       | 0.09391    |               | mg/Kg |   | 94   | 70 - 130    |
| m-Xylene & p-Xylene | 0.200       | 0.2009     |               | mg/Kg |   | 100  | 70 - 130    |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-25412-1  
SDG: Eddy County, New Mexico

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-47731/1-A

Matrix: Solid

Analysis Batch: 47853

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47731

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|-------|---|------|-------------|
| o-Xylene | 0.100       | 0.09562    |               | mg/Kg |   | 96   | 70 - 130    |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 124           |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 87            |               | 70 - 130 |

Lab Sample ID: LCSD 880-47731/2-A

Matrix: Solid

Analysis Batch: 47853

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 47731

| Analyte             | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Benzene             | 0.100       | 0.1248      |                | mg/Kg |   | 125  | 70 - 130    | 21  | 35        |
| Toluene             | 0.100       | 0.1223      |                | mg/Kg |   | 122  | 70 - 130    | 19  | 35        |
| Ethylbenzene        | 0.100       | 0.1173      |                | mg/Kg |   | 117  | 70 - 130    | 22  | 35        |
| m-Xylene & p-Xylene | 0.200       | 0.2516      |                | mg/Kg |   | 126  | 70 - 130    | 22  | 35        |
| o-Xylene            | 0.100       | 0.1137      |                | mg/Kg |   | 114  | 70 - 130    | 17  | 35        |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 116            |                | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 96             |                | 70 - 130 |

Lab Sample ID: 880-25412-1 MS

Matrix: Solid

Analysis Batch: 47853

Client Sample ID: CS-1 (4.5')

Prep Type: Total/NA

Prep Batch: 47731

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Benzene             | <0.00201      | U                | 0.100       | 0.07542   |              | mg/Kg |   | 75   | 70 - 130    |
| Toluene             | <0.00201      | U                | 0.100       | 0.07372   |              | mg/Kg |   | 74   | 70 - 130    |
| Ethylbenzene        | <0.00201      | U F1             | 0.100       | 0.07325   |              | mg/Kg |   | 73   | 70 - 130    |
| m-Xylene & p-Xylene | <0.00402      | U F1             | 0.200       | 0.1551    |              | mg/Kg |   | 77   | 70 - 130    |
| o-Xylene            | <0.00201      | U F1             | 0.100       | 0.07033   |              | mg/Kg |   | 70   | 70 - 130    |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 95           |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 92           |              | 70 - 130 |

Lab Sample ID: 880-25412-1 MSD

Matrix: Solid

Analysis Batch: 47853

Client Sample ID: CS-1 (4.5')

Prep Type: Total/NA

Prep Batch: 47731

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene             | <0.00201      | U                | 0.0990      | 0.07382    |               | mg/Kg |   | 75   | 70 - 130    | 2   | 35        |
| Toluene             | <0.00201      | U                | 0.0990      | 0.06988    |               | mg/Kg |   | 71   | 70 - 130    | 5   | 35        |
| Ethylbenzene        | <0.00201      | U F1             | 0.0990      | 0.06292    | F1            | mg/Kg |   | 64   | 70 - 130    | 15  | 35        |
| m-Xylene & p-Xylene | <0.00402      | U F1             | 0.198       | 0.1320     | F1            | mg/Kg |   | 67   | 70 - 130    | 16  | 35        |
| o-Xylene            | <0.00201      | U F1             | 0.0990      | 0.06099    | F1            | mg/Kg |   | 62   | 70 - 130    | 14  | 35        |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-25412-1  
SDG: Eddy County, New Mexico

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-25412-1 MSD

Matrix: Solid

Analysis Batch: 47853

Client Sample ID: CS-1 (4.5')

Prep Type: Total/NA

Prep Batch: 47731

|                             | MSD       | MSD       |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 107       |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 85        |           | 70 - 130 |

Lab Sample ID: MB 880-47733/5-A

Matrix: Solid

Analysis Batch: 47865

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 47733

|                             | MB        | MB        |          |     |       |   |                |                |     |     |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|-----|-----|
| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil | Fac |
| Benzene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 01:50 | 1   |     |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 01:50 | 1   |     |
| Ethylbenzene                | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 01:50 | 1   |     |
| m-Xylene & p-Xylene         | <0.00400  | U         | 0.00400  |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 01:50 | 1   |     |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 01:50 | 1   |     |
| Xylenes, Total              | <0.00400  | U         | 0.00400  |     | mg/Kg |   | 03/06/23 12:32 | 03/07/23 01:50 | 1   |     |
|                             | MB        | MB        |          |     |       |   |                |                |     |     |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil | Fac |
| 4-Bromofluorobenzene (Surr) | 91        |           | 70 - 130 |     |       |   | 03/06/23 12:32 | 03/07/23 01:50 | 1   |     |
| 1,4-Difluorobenzene (Surr)  | 84        |           | 70 - 130 |     |       |   | 03/06/23 12:32 | 03/07/23 01:50 | 1   |     |

Lab Sample ID: LCS 880-47733/1-A

Matrix: Solid

Analysis Batch: 47865

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47733

|                             | Spike     | LCS       | LCS       |       |   |      |          |  | %Rec |  |  |
|-----------------------------|-----------|-----------|-----------|-------|---|------|----------|--|------|--|--|
| Analyte                     | Added     | Result    | Qualifier | Unit  | D | %Rec | Limits   |  |      |  |  |
| Benzene                     | 0.100     | 0.1102    |           | mg/Kg |   | 110  | 70 - 130 |  |      |  |  |
| Toluene                     | 0.100     | 0.1095    |           | mg/Kg |   | 109  | 70 - 130 |  |      |  |  |
| Ethylbenzene                | 0.100     | 0.1035    |           | mg/Kg |   | 103  | 70 - 130 |  |      |  |  |
| m-Xylene & p-Xylene         | 0.200     | 0.2209    |           | mg/Kg |   | 110  | 70 - 130 |  |      |  |  |
| o-Xylene                    | 0.100     | 0.1047    |           | mg/Kg |   | 105  | 70 - 130 |  |      |  |  |
|                             | LCS       | LCS       |           |       |   |      |          |  |      |  |  |
| Surrogate                   | %Recovery | Qualifier | Limits    |       |   |      |          |  |      |  |  |
| 4-Bromofluorobenzene (Surr) | 134       | S1+       | 70 - 130  |       |   |      |          |  |      |  |  |
| 1,4-Difluorobenzene (Surr)  | 92        |           | 70 - 130  |       |   |      |          |  |      |  |  |

Lab Sample ID: LCSD 880-47733/2-A

Matrix: Solid

Analysis Batch: 47865

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 47733

|                             | Spike     | LCSD      | LCSD      |       |   |      |          |     | %Rec |       | RPD |
|-----------------------------|-----------|-----------|-----------|-------|---|------|----------|-----|------|-------|-----|
| Analyte                     | Added     | Result    | Qualifier | Unit  | D | %Rec | Limits   | RPD |      | Limit |     |
| Benzene                     | 0.100     | 0.1214    |           | mg/Kg |   | 121  | 70 - 130 | 10  |      | 35    |     |
| Toluene                     | 0.100     | 0.1203    |           | mg/Kg |   | 120  | 70 - 130 | 9   |      | 35    |     |
| Ethylbenzene                | 0.100     | 0.1136    |           | mg/Kg |   | 114  | 70 - 130 | 9   |      | 35    |     |
| m-Xylene & p-Xylene         | 0.200     | 0.2416    |           | mg/Kg |   | 121  | 70 - 130 | 9   |      | 35    |     |
| o-Xylene                    | 0.100     | 0.1161    |           | mg/Kg |   | 116  | 70 - 130 | 10  |      | 35    |     |
|                             | LCSD      | LCSD      |           |       |   |      |          |     |      |       |     |
| Surrogate                   | %Recovery | Qualifier | Limits    |       |   |      |          |     |      |       |     |
| 4-Bromofluorobenzene (Surr) | 146       | S1+       | 70 - 130  |       |   |      |          |     |      |       |     |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-25412-1  
SDG: Eddy County, New Mexico

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-47733/2-A

Matrix: Solid

Analysis Batch: 47865

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 47733

|                            | LCSD      | LCSD      |          |
|----------------------------|-----------|-----------|----------|
| Surrogate                  | %Recovery | Qualifier | Limits   |
| 1,4-Difluorobenzene (Surr) | 91        |           | 70 - 130 |

Lab Sample ID: 880-25412-21 MS

Matrix: Solid

Analysis Batch: 47865

Client Sample ID: SW-4 (4.5')

Prep Type: Total/NA

Prep Batch: 47733

|                     | Sample   | Sample    | Spike | MS      | MS        |       |   |      | %Rec     |
|---------------------|----------|-----------|-------|---------|-----------|-------|---|------|----------|
| Analyte             | Result   | Qualifier | Added | Result  | Qualifier | Unit  | D | %Rec | Limits   |
| Benzene             | <0.00202 | U F1 F2   | 0.100 | 0.02283 | F1        | mg/Kg |   | 23   | 70 - 130 |
| Toluene             | <0.00202 | U F1 F2   | 0.100 | 0.02187 | F1        | mg/Kg |   | 22   | 70 - 130 |
| Ethylbenzene        | <0.00202 | U F1      | 0.100 | 0.03041 | F1        | mg/Kg |   | 30   | 70 - 130 |
| m-Xylene & p-Xylene | <0.00403 | U F1 F2   | 0.201 | 0.06226 | F1        | mg/Kg |   | 31   | 70 - 130 |
| o-Xylene            | <0.00202 | U F1 F2   | 0.100 | 0.03233 | F1        | mg/Kg |   | 32   | 70 - 130 |

|                             | MS        | MS        |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 103       |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 71        |           | 70 - 130 |

Lab Sample ID: 880-25412-21 MSD

Matrix: Solid

Analysis Batch: 47865

Client Sample ID: SW-4 (4.5')

Prep Type: Total/NA

Prep Batch: 47733

|                     | Sample   | Sample    | Spike  | MSD     | MSD       |       |   |      | %Rec     | RPD   |
|---------------------|----------|-----------|--------|---------|-----------|-------|---|------|----------|-------|
| Analyte             | Result   | Qualifier | Added  | Result  | Qualifier | Unit  | D | %Rec | Limits   | Limit |
| Benzene             | <0.00202 | U F1 F2   | 0.0990 | 0.04120 | F1 F2     | mg/Kg |   | 42   | 70 - 130 | 57    |
| Toluene             | <0.00202 | U F1 F2   | 0.0990 | 0.04014 | F1 F2     | mg/Kg |   | 41   | 70 - 130 | 59    |
| Ethylbenzene        | <0.00202 | U F1      | 0.0990 | 0.04240 | F1        | mg/Kg |   | 43   | 70 - 130 | 33    |
| m-Xylene & p-Xylene | <0.00403 | U F1 F2   | 0.198  | 0.09019 | F1 F2     | mg/Kg |   | 46   | 70 - 130 | 37    |
| o-Xylene            | <0.00202 | U F1 F2   | 0.0990 | 0.04873 | F1 F2     | mg/Kg |   | 49   | 70 - 130 | 40    |

|                             | MSD       | MSD       |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 140       | S1+       | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 9         | S1-       | 70 - 130 |

Lab Sample ID: MB 880-47777/5-A

Matrix: Solid

Analysis Batch: 47865

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 47777

|                     | MB       | MB        |         |     |       |   |                |                |         |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Benzene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 03/03/23 16:01 | 03/06/23 12:10 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 03/03/23 16:01 | 03/06/23 12:10 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 03/03/23 16:01 | 03/06/23 12:10 | 1       |
| m-Xylene & p-Xylene | <0.00400 | U         | 0.00400 |     | mg/Kg |   | 03/03/23 16:01 | 03/06/23 12:10 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 03/03/23 16:01 | 03/06/23 12:10 | 1       |
| Xylenes, Total      | <0.00400 | U         | 0.00400 |     | mg/Kg |   | 03/03/23 16:01 | 03/06/23 12:10 | 1       |

|                             | MB        | MB        |          |                |                |         |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 83        |           | 70 - 130 | 03/03/23 16:01 | 03/06/23 12:10 | 1       |
| 1,4-Difluorobenzene (Surr)  | 85        |           | 70 - 130 | 03/03/23 16:01 | 03/06/23 12:10 | 1       |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-25412-1  
SDG: Eddy County, New Mexico

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-47752/1-A

Matrix: Solid

Analysis Batch: 47687

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 47752

| Analyte                              | MB Result | MB Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|--------------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U            | 50.0     |     | mg/Kg |   | 03/03/23 13:24 | 03/03/23 20:08 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U            | 50.0     |     | mg/Kg |   | 03/03/23 13:24 | 03/03/23 20:08 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U            | 50.0     |     | mg/Kg |   | 03/03/23 13:24 | 03/03/23 20:08 | 1       |
| Surrogate                            | %Recovery | MB Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 128       |              | 70 - 130 |     |       |   | 03/03/23 13:24 | 03/03/23 20:08 | 1       |
| o-Terphenyl                          | 147       | S1+          | 70 - 130 |     |       |   | 03/03/23 13:24 | 03/03/23 20:08 | 1       |

Lab Sample ID: LCS 880-47752/2-A

Matrix: Solid

Analysis Batch: 47687

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47752

| Analyte                              | Spike Added | LCS Result    | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|---------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1060          |               | mg/Kg |   | 106  | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1000        | 801.4         |               | mg/Kg |   | 80   | 70 - 130    |
| Surrogate                            | %Recovery   | LCS Qualifier | Limits        |       |   |      |             |
| 1-Chlorooctane                       | 73          |               | 70 - 130      |       |   |      |             |
| o-Terphenyl                          | 81          |               | 70 - 130      |       |   |      |             |

Lab Sample ID: LCSD 880-47752/3-A

Matrix: Solid

Analysis Batch: 47687

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 47752

| Analyte                              | Spike Added | LCSD Result    | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|----------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1095           |                | mg/Kg |   | 110  | 70 - 130    | 3   | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 823.6          |                | mg/Kg |   | 82   | 70 - 130    | 3   | 20        |
| Surrogate                            | %Recovery   | LCSD Qualifier | Limits         |       |   |      |             |     |           |
| 1-Chlorooctane                       | 74          |                | 70 - 130       |       |   |      |             |     |           |
| o-Terphenyl                          | 81          |                | 70 - 130       |       |   |      |             |     |           |

Lab Sample ID: 880-25412-1 MS

Matrix: Solid

Analysis Batch: 47687

Client Sample ID: CS-1 (4.5')

Prep Type: Total/NA

Prep Batch: 47752

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9         | U                | 998         | 951.2     |              | mg/Kg |   | 92   | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | <49.9         | U                | 998         | 1069      |              | mg/Kg |   | 104  | 70 - 130    |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-25412-1  
SDG: Eddy County, New Mexico

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-25412-1 MS

Matrix: Solid

Analysis Batch: 47687

Client Sample ID: CS-1 (4.5')

Prep Type: Total/NA

Prep Batch: 47752

|                | MS        | MS        |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 106       |           | 70 - 130 |
| o-Terphenyl    | 109       |           | 70 - 130 |

Lab Sample ID: 880-25412-1 MSD

Matrix: Solid

Analysis Batch: 47687

Client Sample ID: CS-1 (4.5')

Prep Type: Total/NA

Prep Batch: 47752

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9         | U                | 999         | 957.6      |               | mg/Kg |   | 92   | 70 - 130    | 1   | 20        |
| Diesel Range Organics (Over C10-C28) | <49.9         | U                | 999         | 1093       |               | mg/Kg |   | 106  | 70 - 130    | 2   | 20        |

|                | MSD       | MSD       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 108       |           | 70 - 130 |
| o-Terphenyl    | 108       |           | 70 - 130 |

Lab Sample ID: MB 880-47759/1-A

Matrix: Solid

Analysis Batch: 47801

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 47759

| Analyte                              | MB Result | MB Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|--------------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U            | 50.0 |     | mg/Kg |   | 03/03/23 14:07 | 03/04/23 09:09 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U            | 50.0 |     | mg/Kg |   | 03/03/23 14:07 | 03/04/23 09:09 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U            | 50.0 |     | mg/Kg |   | 03/03/23 14:07 | 03/04/23 09:09 | 1       |

|                | MB        | MB        |          |                |                |         |  |  |  |
|----------------|-----------|-----------|----------|----------------|----------------|---------|--|--|--|
| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |  |  |  |
| 1-Chlorooctane | 126       |           | 70 - 130 | 03/03/23 14:07 | 03/04/23 09:09 | 1       |  |  |  |
| o-Terphenyl    | 137       | S1+       | 70 - 130 | 03/03/23 14:07 | 03/04/23 09:09 | 1       |  |  |  |

Lab Sample ID: LCS 880-47759/2-A

Matrix: Solid

Analysis Batch: 47801

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47759

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 950.9      |               | mg/Kg |   | 95   | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1000        | 1128       |               | mg/Kg |   | 113  | 70 - 130    |

|                | LCS       | LCS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 113       |           | 70 - 130 |
| o-Terphenyl    | 125       |           | 70 - 130 |

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## QC Sample Results

Client: Carmona Resources

Job ID: 880-25412-1

Project/Site: Road Runner Fed Com 023H (12.16.22)

SDG: Eddy County, New Mexico

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-47759/3-A

Matrix: Solid

Analysis Batch: 47801

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 47759

| Analyte                              | Spike Added    | LCSD Result    | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|----------------|----------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000           | 1036           |                | mg/Kg |   | 104  | 70 - 130    | 9   | 20        |
| Diesel Range Organics (Over C10-C28) | 1000           | 1040           |                | mg/Kg |   | 104  | 70 - 130    | 8   | 20        |
| Surrogate                            | LCSD %Recovery | LCSD Qualifier | Limits         |       |   |      |             |     |           |
| 1-Chlorooctane                       | 98             |                | 70 - 130       |       |   |      |             |     |           |
| o-Terphenyl                          | 117            |                | 70 - 130       |       |   |      |             |     |           |

Lab Sample ID: 880-25410-A-1-F MS

Matrix: Solid

Analysis Batch: 47801

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 47759

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9         | U                | 997         | 1108      |              | mg/Kg |   | 107  | 70 - 130    |     |           |
| Diesel Range Organics (Over C10-C28) | <49.9         | U                | 997         | 1078      |              | mg/Kg |   | 108  | 70 - 130    |     |           |
| Surrogate                            | MS %Recovery  | MS Qualifier     | Limits      |           |              |       |   |      |             |     |           |
| 1-Chlorooctane                       | 118           |                  | 70 - 130    |           |              |       |   |      |             |     |           |
| o-Terphenyl                          | 122           |                  | 70 - 130    |           |              |       |   |      |             |     |           |

Lab Sample ID: 880-25410-A-1-G MSD

Matrix: Solid

Analysis Batch: 47801

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 47759

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9         | U                | 999         | 1090       |               | mg/Kg |   | 105  | 70 - 130    | 2   | 20        |
| Diesel Range Organics (Over C10-C28) | <49.9         | U                | 999         | 1056       |               | mg/Kg |   | 106  | 70 - 130    | 2   | 20        |
| Surrogate                            | MSD %Recovery | MSD Qualifier    | Limits      |            |               |       |   |      |             |     |           |
| 1-Chlorooctane                       | 114           |                  | 70 - 130    |            |               |       |   |      |             |     |           |
| o-Terphenyl                          | 119           |                  | 70 - 130    |            |               |       |   |      |             |     |           |

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-47727/1-A

Matrix: Solid

Analysis Batch: 47818

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB Result | MB Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|-----------|--------------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <5.00     | U            | 5.00 |     | mg/Kg |   |          | 03/04/23 16:27 | 1       |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-25412-1  
SDG: Eddy County, New Mexico

## Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-47727/2-A  
Matrix: Solid  
Analysis Batch: 47818

Client Sample ID: Lab Control Sample  
Prep Type: Soluble

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|-------|---|------|-------------|
| Chloride | 250         | 258.6      |               | mg/Kg |   | 103  | 90 - 110    |

Lab Sample ID: LCSD 880-47727/3-A  
Matrix: Solid  
Analysis Batch: 47818

Client Sample ID: Lab Control Sample Dup  
Prep Type: Soluble

| Analyte  | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Chloride | 250         | 258.2       |                | mg/Kg |   | 103  | 90 - 110    | 0   | 20        |

Lab Sample ID: 880-25412-9 MS  
Matrix: Solid  
Analysis Batch: 47818

Client Sample ID: CS-9 (1.5')  
Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Chloride | 164           |                  | 252         | 429.4     |              | mg/Kg |   | 105  | 90 - 110    |

Lab Sample ID: 880-25412-9 MSD  
Matrix: Solid  
Analysis Batch: 47818

Client Sample ID: CS-9 (1.5')  
Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Chloride | 164           |                  | 252         | 426.9      |               | mg/Kg |   | 104  | 90 - 110    | 1   | 20        |

Lab Sample ID: MB 880-47730/1-A  
Matrix: Solid  
Analysis Batch: 47819

Client Sample ID: Method Blank  
Prep Type: Soluble

| Analyte  | MB Result | MB Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|-----------|--------------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <5.00     | U            | 5.00 |     | mg/Kg |   |          | 03/04/23 18:08 | 1       |

Lab Sample ID: LCS 880-47730/2-A  
Matrix: Solid  
Analysis Batch: 47819

Client Sample ID: Lab Control Sample  
Prep Type: Soluble

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|-------|---|------|-------------|
| Chloride | 250         | 236.4      |               | mg/Kg |   | 95   | 90 - 110    |

Lab Sample ID: LCSD 880-47730/3-A  
Matrix: Solid  
Analysis Batch: 47819

Client Sample ID: Lab Control Sample Dup  
Prep Type: Soluble

| Analyte  | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Chloride | 250         | 236.2       |                | mg/Kg |   | 94   | 90 - 110    | 0   | 20        |

Lab Sample ID: 880-25412-19 MS  
Matrix: Solid  
Analysis Batch: 47819

Client Sample ID: SW-2 (4.5')  
Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Chloride | 33.3          |                  | 248         | 305.8     |              | mg/Kg |   | 110  | 90 - 110    |

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QC Sample Results

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-25412-1  
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

|                                 |               |                  |             |            |               |       |   |      |             |                               |           |  |
|---------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-------------------------------|-----------|--|
| Lab Sample ID: 880-25412-19 MSD |               |                  |             |            |               |       |   |      |             | Client Sample ID: SW-2 (4.5') |           |  |
| Matrix: Solid                   |               |                  |             |            |               |       |   |      |             | Prep Type: Soluble            |           |  |
| Analysis Batch: 47819           |               |                  |             |            |               |       |   |      |             |                               |           |  |
| Analyte                         | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD                           | RPD Limit |  |
| Chloride                        | 33.3          |                  | 248         | 306.3      |               | mg/Kg |   | 110  | 90 - 110    | 0                             | 20        |  |

|                                |               |                  |             |           |              |       |   |      |             |                                |  |  |
|--------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|--------------------------------|--|--|
| Lab Sample ID: 880-25412-29 MS |               |                  |             |           |              |       |   |      |             | Client Sample ID: SW-12 (1.5') |  |  |
| Matrix: Solid                  |               |                  |             |           |              |       |   |      |             | Prep Type: Soluble             |  |  |
| Analysis Batch: 47819          |               |                  |             |           |              |       |   |      |             |                                |  |  |
| Analyte                        | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |                                |  |  |
| Chloride                       | 65.1          |                  | 252         | 316.1     |              | mg/Kg |   | 100  | 90 - 110    |                                |  |  |

|                                 |               |                  |             |            |               |       |   |      |             |                                |           |  |
|---------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|--------------------------------|-----------|--|
| Lab Sample ID: 880-25412-29 MSD |               |                  |             |            |               |       |   |      |             | Client Sample ID: SW-12 (1.5') |           |  |
| Matrix: Solid                   |               |                  |             |            |               |       |   |      |             | Prep Type: Soluble             |           |  |
| Analysis Batch: 47819           |               |                  |             |            |               |       |   |      |             |                                |           |  |
| Analyte                         | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD                            | RPD Limit |  |
| Chloride                        | 65.1          |                  | 252         | 315.7      |               | mg/Kg |   | 99   | 90 - 110    | 0                              | 20        |  |

## QC Association Summary

Client: Carmona Resources

Job ID: 880-25412-1

Project/Site: Road Runner Fed Com 023H (12.16.22)

SDG: Eddy County, New Mexico

## GC VOA

## Prep Batch: 47724

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-25412-32        | SW-15 (1.5')           | Total/NA  | Solid  | 5035   |            |
| MB 880-47724/5-A    | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-47724/1-A   | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-47724/2-A  | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-25400-A-1-E MS  | Matrix Spike           | Total/NA  | Solid  | 5035   |            |
| 880-25400-A-1-F MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 5035   |            |

## Prep Batch: 47731

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-25412-1        | CS-1 (4.5')            | Total/NA  | Solid  | 5035   |            |
| 880-25412-2        | CS-2 (4.5')            | Total/NA  | Solid  | 5035   |            |
| 880-25412-3        | CS-3 (4.5')            | Total/NA  | Solid  | 5035   |            |
| 880-25412-4        | CS-4 (4.5')            | Total/NA  | Solid  | 5035   |            |
| 880-25412-5        | CS-5 (4.5')            | Total/NA  | Solid  | 5035   |            |
| 880-25412-6        | CS-6 (4.5')            | Total/NA  | Solid  | 5035   |            |
| 880-25412-7        | CS-7 (4.5')            | Total/NA  | Solid  | 5035   |            |
| 880-25412-8        | CS-8 (4.5')            | Total/NA  | Solid  | 5035   |            |
| 880-25412-9        | CS-9 (1.5')            | Total/NA  | Solid  | 5035   |            |
| 880-25412-10       | CS-10 (1.5')           | Total/NA  | Solid  | 5035   |            |
| 880-25412-11       | CS-11 (1.5')           | Total/NA  | Solid  | 5035   |            |
| 880-25412-12       | CS-12 (1.5')           | Total/NA  | Solid  | 5035   |            |
| 880-25412-13       | CS-13 (1.5')           | Total/NA  | Solid  | 5035   |            |
| 880-25412-14       | CS-14 (1.5')           | Total/NA  | Solid  | 5035   |            |
| 880-25412-15       | CS-15 (1.5')           | Total/NA  | Solid  | 5035   |            |
| 880-25412-16       | CS-16 (1.5')           | Total/NA  | Solid  | 5035   |            |
| 880-25412-17       | CS-17 (1.5')           | Total/NA  | Solid  | 5035   |            |
| 880-25412-18       | SW-1 (4.5')            | Total/NA  | Solid  | 5035   |            |
| 880-25412-19       | SW-2 (4.5')            | Total/NA  | Solid  | 5035   |            |
| 880-25412-20       | SW-3 (4.5')            | Total/NA  | Solid  | 5035   |            |
| MB 880-47731/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-47731/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-47731/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-25412-1 MS     | CS-1 (4.5')            | Total/NA  | Solid  | 5035   |            |
| 880-25412-1 MSD    | CS-1 (4.5')            | Total/NA  | Solid  | 5035   |            |

## Prep Batch: 47733

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-25412-21       | SW-4 (4.5')            | Total/NA  | Solid  | 5035   |            |
| 880-25412-22       | SW-5 (4.5')            | Total/NA  | Solid  | 5035   |            |
| 880-25412-23       | SW-6 (4.5')            | Total/NA  | Solid  | 5035   |            |
| 880-25412-24       | SW-7 (4.5')            | Total/NA  | Solid  | 5035   |            |
| 880-25412-25       | SW-8 (1.5')            | Total/NA  | Solid  | 5035   |            |
| 880-25412-26       | SW-9 (1.5')            | Total/NA  | Solid  | 5035   |            |
| 880-25412-27       | SW-10 (1.5')           | Total/NA  | Solid  | 5035   |            |
| 880-25412-28       | SW-11 (1.5')           | Total/NA  | Solid  | 5035   |            |
| 880-25412-29       | SW-12 (1.5')           | Total/NA  | Solid  | 5035   |            |
| 880-25412-30       | SW-13 (1.5')           | Total/NA  | Solid  | 5035   |            |
| 880-25412-31       | SW-14 (1.5')           | Total/NA  | Solid  | 5035   |            |
| MB 880-47733/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-47733/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-47733/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |

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## QC Association Summary

Client: Carmona Resources

Job ID: 880-25412-1

Project/Site: Road Runner Fed Com 023H (12.16.22)

SDG: Eddy County, New Mexico

## GC VOA (Continued)

## Prep Batch: 47733 (Continued)

| Lab Sample ID    | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| 880-25412-21 MS  | SW-4 (4.5')      | Total/NA  | Solid  | 5035   |            |
| 880-25412-21 MSD | SW-4 (4.5')      | Total/NA  | Solid  | 5035   |            |

## Prep Batch: 47777

| Lab Sample ID    | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| MB 880-47777/5-A | Method Blank     | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 47853

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-25412-1        | CS-1 (4.5')            | Total/NA  | Solid  | 8021B  | 47731      |
| 880-25412-2        | CS-2 (4.5')            | Total/NA  | Solid  | 8021B  | 47731      |
| 880-25412-3        | CS-3 (4.5')            | Total/NA  | Solid  | 8021B  | 47731      |
| 880-25412-4        | CS-4 (4.5')            | Total/NA  | Solid  | 8021B  | 47731      |
| 880-25412-5        | CS-5 (4.5')            | Total/NA  | Solid  | 8021B  | 47731      |
| 880-25412-6        | CS-6 (4.5')            | Total/NA  | Solid  | 8021B  | 47731      |
| 880-25412-7        | CS-7 (4.5')            | Total/NA  | Solid  | 8021B  | 47731      |
| 880-25412-8        | CS-8 (4.5')            | Total/NA  | Solid  | 8021B  | 47731      |
| 880-25412-9        | CS-9 (1.5')            | Total/NA  | Solid  | 8021B  | 47731      |
| 880-25412-10       | CS-10 (1.5')           | Total/NA  | Solid  | 8021B  | 47731      |
| 880-25412-11       | CS-11 (1.5')           | Total/NA  | Solid  | 8021B  | 47731      |
| 880-25412-12       | CS-12 (1.5')           | Total/NA  | Solid  | 8021B  | 47731      |
| 880-25412-13       | CS-13 (1.5')           | Total/NA  | Solid  | 8021B  | 47731      |
| 880-25412-14       | CS-14 (1.5')           | Total/NA  | Solid  | 8021B  | 47731      |
| 880-25412-15       | CS-15 (1.5')           | Total/NA  | Solid  | 8021B  | 47731      |
| 880-25412-16       | CS-16 (1.5')           | Total/NA  | Solid  | 8021B  | 47731      |
| 880-25412-17       | CS-17 (1.5')           | Total/NA  | Solid  | 8021B  | 47731      |
| 880-25412-18       | SW-1 (4.5')            | Total/NA  | Solid  | 8021B  | 47731      |
| 880-25412-19       | SW-2 (4.5')            | Total/NA  | Solid  | 8021B  | 47731      |
| 880-25412-20       | SW-3 (4.5')            | Total/NA  | Solid  | 8021B  | 47731      |
| MB 880-47731/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 47731      |
| LCS 880-47731/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 47731      |
| LCSD 880-47731/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 47731      |
| 880-25412-1 MS     | CS-1 (4.5')            | Total/NA  | Solid  | 8021B  | 47731      |
| 880-25412-1 MSD    | CS-1 (4.5')            | Total/NA  | Solid  | 8021B  | 47731      |

## Analysis Batch: 47864

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-25412-32        | SW-15 (1.5')           | Total/NA  | Solid  | 8021B  | 47724      |
| MB 880-47724/5-A    | Method Blank           | Total/NA  | Solid  | 8021B  | 47724      |
| LCS 880-47724/1-A   | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 47724      |
| LCSD 880-47724/2-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 47724      |
| 880-25400-A-1-E MS  | Matrix Spike           | Total/NA  | Solid  | 8021B  | 47724      |
| 880-25400-A-1-F MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8021B  | 47724      |

## Analysis Batch: 47865

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 880-25412-21  | SW-4 (4.5')      | Total/NA  | Solid  | 8021B  | 47733      |
| 880-25412-22  | SW-5 (4.5')      | Total/NA  | Solid  | 8021B  | 47733      |
| 880-25412-23  | SW-6 (4.5')      | Total/NA  | Solid  | 8021B  | 47733      |
| 880-25412-24  | SW-7 (4.5')      | Total/NA  | Solid  | 8021B  | 47733      |
| 880-25412-25  | SW-8 (1.5')      | Total/NA  | Solid  | 8021B  | 47733      |

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## QC Association Summary

Client: Carmona Resources

Job ID: 880-25412-1

Project/Site: Road Runner Fed Com 023H (12.16.22)

SDG: Eddy County, New Mexico

## GC VOA (Continued)

## Analysis Batch: 47865 (Continued)

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-25412-26       | SW-9 (1.5')            | Total/NA  | Solid  | 8021B  | 47733      |
| 880-25412-27       | SW-10 (1.5')           | Total/NA  | Solid  | 8021B  | 47733      |
| 880-25412-28       | SW-11 (1.5')           | Total/NA  | Solid  | 8021B  | 47733      |
| 880-25412-29       | SW-12 (1.5')           | Total/NA  | Solid  | 8021B  | 47733      |
| 880-25412-30       | SW-13 (1.5')           | Total/NA  | Solid  | 8021B  | 47733      |
| 880-25412-31       | SW-14 (1.5')           | Total/NA  | Solid  | 8021B  | 47733      |
| MB 880-47733/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 47733      |
| MB 880-47777/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 47777      |
| LCS 880-47733/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 47733      |
| LCSD 880-47733/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 47733      |
| 880-25412-21 MS    | SW-4 (4.5')            | Total/NA  | Solid  | 8021B  | 47733      |
| 880-25412-21 MSD   | SW-4 (4.5')            | Total/NA  | Solid  | 8021B  | 47733      |

## Analysis Batch: 47958

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 880-25412-1   | CS-1 (4.5')      | Total/NA  | Solid  | Total BTEX |            |
| 880-25412-2   | CS-2 (4.5')      | Total/NA  | Solid  | Total BTEX |            |
| 880-25412-3   | CS-3 (4.5')      | Total/NA  | Solid  | Total BTEX |            |
| 880-25412-4   | CS-4 (4.5')      | Total/NA  | Solid  | Total BTEX |            |
| 880-25412-5   | CS-5 (4.5')      | Total/NA  | Solid  | Total BTEX |            |
| 880-25412-6   | CS-6 (4.5')      | Total/NA  | Solid  | Total BTEX |            |
| 880-25412-7   | CS-7 (4.5')      | Total/NA  | Solid  | Total BTEX |            |
| 880-25412-8   | CS-8 (4.5')      | Total/NA  | Solid  | Total BTEX |            |
| 880-25412-9   | CS-9 (1.5')      | Total/NA  | Solid  | Total BTEX |            |
| 880-25412-10  | CS-10 (1.5')     | Total/NA  | Solid  | Total BTEX |            |
| 880-25412-11  | CS-11 (1.5')     | Total/NA  | Solid  | Total BTEX |            |
| 880-25412-12  | CS-12 (1.5')     | Total/NA  | Solid  | Total BTEX |            |
| 880-25412-13  | CS-13 (1.5')     | Total/NA  | Solid  | Total BTEX |            |
| 880-25412-14  | CS-14 (1.5')     | Total/NA  | Solid  | Total BTEX |            |
| 880-25412-15  | CS-15 (1.5')     | Total/NA  | Solid  | Total BTEX |            |
| 880-25412-16  | CS-16 (1.5')     | Total/NA  | Solid  | Total BTEX |            |
| 880-25412-17  | CS-17 (1.5')     | Total/NA  | Solid  | Total BTEX |            |
| 880-25412-18  | SW-1 (4.5')      | Total/NA  | Solid  | Total BTEX |            |
| 880-25412-19  | SW-2 (4.5')      | Total/NA  | Solid  | Total BTEX |            |
| 880-25412-20  | SW-3 (4.5')      | Total/NA  | Solid  | Total BTEX |            |
| 880-25412-21  | SW-4 (4.5')      | Total/NA  | Solid  | Total BTEX |            |
| 880-25412-22  | SW-5 (4.5')      | Total/NA  | Solid  | Total BTEX |            |
| 880-25412-23  | SW-6 (4.5')      | Total/NA  | Solid  | Total BTEX |            |
| 880-25412-24  | SW-7 (4.5')      | Total/NA  | Solid  | Total BTEX |            |
| 880-25412-25  | SW-8 (1.5')      | Total/NA  | Solid  | Total BTEX |            |
| 880-25412-26  | SW-9 (1.5')      | Total/NA  | Solid  | Total BTEX |            |
| 880-25412-27  | SW-10 (1.5')     | Total/NA  | Solid  | Total BTEX |            |
| 880-25412-28  | SW-11 (1.5')     | Total/NA  | Solid  | Total BTEX |            |
| 880-25412-29  | SW-12 (1.5')     | Total/NA  | Solid  | Total BTEX |            |
| 880-25412-30  | SW-13 (1.5')     | Total/NA  | Solid  | Total BTEX |            |
| 880-25412-31  | SW-14 (1.5')     | Total/NA  | Solid  | Total BTEX |            |
| 880-25412-32  | SW-15 (1.5')     | Total/NA  | Solid  | Total BTEX |            |

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## QC Association Summary

Client: Carmona Resources

Job ID: 880-25412-1

Project/Site: Road Runner Fed Com 023H (12.16.22)

SDG: Eddy County, New Mexico

## GC Semi VOA

## Analysis Batch: 47687

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-25412-1        | CS-1 (4.5')            | Total/NA  | Solid  | 8015B NM | 47752      |
| 880-25412-2        | CS-2 (4.5')            | Total/NA  | Solid  | 8015B NM | 47752      |
| 880-25412-3        | CS-3 (4.5')            | Total/NA  | Solid  | 8015B NM | 47752      |
| 880-25412-4        | CS-4 (4.5')            | Total/NA  | Solid  | 8015B NM | 47752      |
| 880-25412-5        | CS-5 (4.5')            | Total/NA  | Solid  | 8015B NM | 47752      |
| 880-25412-6        | CS-6 (4.5')            | Total/NA  | Solid  | 8015B NM | 47752      |
| 880-25412-7        | CS-7 (4.5')            | Total/NA  | Solid  | 8015B NM | 47752      |
| 880-25412-8        | CS-8 (4.5')            | Total/NA  | Solid  | 8015B NM | 47752      |
| 880-25412-9        | CS-9 (1.5')            | Total/NA  | Solid  | 8015B NM | 47752      |
| 880-25412-10       | CS-10 (1.5')           | Total/NA  | Solid  | 8015B NM | 47752      |
| 880-25412-11       | CS-11 (1.5')           | Total/NA  | Solid  | 8015B NM | 47752      |
| 880-25412-12       | CS-12 (1.5')           | Total/NA  | Solid  | 8015B NM | 47752      |
| 880-25412-13       | CS-13 (1.5')           | Total/NA  | Solid  | 8015B NM | 47752      |
| 880-25412-14       | CS-14 (1.5')           | Total/NA  | Solid  | 8015B NM | 47752      |
| 880-25412-15       | CS-15 (1.5')           | Total/NA  | Solid  | 8015B NM | 47752      |
| 880-25412-16       | CS-16 (1.5')           | Total/NA  | Solid  | 8015B NM | 47752      |
| 880-25412-17       | CS-17 (1.5')           | Total/NA  | Solid  | 8015B NM | 47752      |
| 880-25412-18       | SW-1 (4.5')            | Total/NA  | Solid  | 8015B NM | 47752      |
| 880-25412-19       | SW-2 (4.5')            | Total/NA  | Solid  | 8015B NM | 47752      |
| 880-25412-20       | SW-3 (4.5')            | Total/NA  | Solid  | 8015B NM | 47752      |
| MB 880-47752/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 47752      |
| LCS 880-47752/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 47752      |
| LCSD 880-47752/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 47752      |
| 880-25412-1 MS     | CS-1 (4.5')            | Total/NA  | Solid  | 8015B NM | 47752      |
| 880-25412-1 MSD    | CS-1 (4.5')            | Total/NA  | Solid  | 8015B NM | 47752      |

## Prep Batch: 47752

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 880-25412-1        | CS-1 (4.5')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-25412-2        | CS-2 (4.5')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-25412-3        | CS-3 (4.5')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-25412-4        | CS-4 (4.5')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-25412-5        | CS-5 (4.5')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-25412-6        | CS-6 (4.5')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-25412-7        | CS-7 (4.5')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-25412-8        | CS-8 (4.5')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-25412-9        | CS-9 (1.5')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-25412-10       | CS-10 (1.5')           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-25412-11       | CS-11 (1.5')           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-25412-12       | CS-12 (1.5')           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-25412-13       | CS-13 (1.5')           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-25412-14       | CS-14 (1.5')           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-25412-15       | CS-15 (1.5')           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-25412-16       | CS-16 (1.5')           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-25412-17       | CS-17 (1.5')           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-25412-18       | SW-1 (4.5')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-25412-19       | SW-2 (4.5')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-25412-20       | SW-3 (4.5')            | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-47752/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-47752/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-47752/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-25412-1  
SDG: Eddy County, New Mexico

## GC Semi VOA (Continued)

## Prep Batch: 47752 (Continued)

| Lab Sample ID   | Client Sample ID | Prep Type | Matrix | Method      | Prep Batch |
|-----------------|------------------|-----------|--------|-------------|------------|
| 880-25412-1 MS  | CS-1 (4.5')      | Total/NA  | Solid  | 8015NM Prep |            |
| 880-25412-1 MSD | CS-1 (4.5')      | Total/NA  | Solid  | 8015NM Prep |            |

## Prep Batch: 47759

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 880-25412-21        | SW-4 (4.5')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-25412-22        | SW-5 (4.5')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-25412-23        | SW-6 (4.5')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-25412-24        | SW-7 (4.5')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-25412-25        | SW-8 (1.5')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-25412-26        | SW-9 (1.5')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-25412-27        | SW-10 (1.5')           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-25412-28        | SW-11 (1.5')           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-25412-29        | SW-12 (1.5')           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-25412-30        | SW-13 (1.5')           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-25412-31        | SW-14 (1.5')           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-25412-32        | SW-15 (1.5')           | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-47759/1-A    | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-47759/2-A   | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-47759/3-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-25410-A-1-F MS  | Matrix Spike           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-25410-A-1-G MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 47801

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-25412-21        | SW-4 (4.5')            | Total/NA  | Solid  | 8015B NM | 47759      |
| 880-25412-22        | SW-5 (4.5')            | Total/NA  | Solid  | 8015B NM | 47759      |
| 880-25412-23        | SW-6 (4.5')            | Total/NA  | Solid  | 8015B NM | 47759      |
| 880-25412-24        | SW-7 (4.5')            | Total/NA  | Solid  | 8015B NM | 47759      |
| 880-25412-25        | SW-8 (1.5')            | Total/NA  | Solid  | 8015B NM | 47759      |
| 880-25412-26        | SW-9 (1.5')            | Total/NA  | Solid  | 8015B NM | 47759      |
| 880-25412-27        | SW-10 (1.5')           | Total/NA  | Solid  | 8015B NM | 47759      |
| 880-25412-28        | SW-11 (1.5')           | Total/NA  | Solid  | 8015B NM | 47759      |
| 880-25412-29        | SW-12 (1.5')           | Total/NA  | Solid  | 8015B NM | 47759      |
| 880-25412-30        | SW-13 (1.5')           | Total/NA  | Solid  | 8015B NM | 47759      |
| 880-25412-31        | SW-14 (1.5')           | Total/NA  | Solid  | 8015B NM | 47759      |
| 880-25412-32        | SW-15 (1.5')           | Total/NA  | Solid  | 8015B NM | 47759      |
| MB 880-47759/1-A    | Method Blank           | Total/NA  | Solid  | 8015B NM | 47759      |
| LCS 880-47759/2-A   | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 47759      |
| LCSD 880-47759/3-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 47759      |
| 880-25410-A-1-F MS  | Matrix Spike           | Total/NA  | Solid  | 8015B NM | 47759      |
| 880-25410-A-1-G MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015B NM | 47759      |

## Analysis Batch: 47932

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-25412-1   | CS-1 (4.5')      | Total/NA  | Solid  | 8015 NM |            |
| 880-25412-2   | CS-2 (4.5')      | Total/NA  | Solid  | 8015 NM |            |
| 880-25412-3   | CS-3 (4.5')      | Total/NA  | Solid  | 8015 NM |            |
| 880-25412-4   | CS-4 (4.5')      | Total/NA  | Solid  | 8015 NM |            |
| 880-25412-5   | CS-5 (4.5')      | Total/NA  | Solid  | 8015 NM |            |
| 880-25412-6   | CS-6 (4.5')      | Total/NA  | Solid  | 8015 NM |            |

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## QC Association Summary

Client: Carmona Resources

Job ID: 880-25412-1

Project/Site: Road Runner Fed Com 023H (12.16.22)

SDG: Eddy County, New Mexico

## GC Semi VOA (Continued)

## Analysis Batch: 47932 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-25412-7   | CS-7 (4.5')      | Total/NA  | Solid  | 8015 NM |            |
| 880-25412-8   | CS-8 (4.5')      | Total/NA  | Solid  | 8015 NM |            |
| 880-25412-9   | CS-9 (1.5')      | Total/NA  | Solid  | 8015 NM |            |
| 880-25412-10  | CS-10 (1.5')     | Total/NA  | Solid  | 8015 NM |            |
| 880-25412-11  | CS-11 (1.5')     | Total/NA  | Solid  | 8015 NM |            |
| 880-25412-12  | CS-12 (1.5')     | Total/NA  | Solid  | 8015 NM |            |
| 880-25412-13  | CS-13 (1.5')     | Total/NA  | Solid  | 8015 NM |            |
| 880-25412-14  | CS-14 (1.5')     | Total/NA  | Solid  | 8015 NM |            |
| 880-25412-15  | CS-15 (1.5')     | Total/NA  | Solid  | 8015 NM |            |
| 880-25412-16  | CS-16 (1.5')     | Total/NA  | Solid  | 8015 NM |            |
| 880-25412-17  | CS-17 (1.5')     | Total/NA  | Solid  | 8015 NM |            |
| 880-25412-18  | SW-1 (4.5')      | Total/NA  | Solid  | 8015 NM |            |
| 880-25412-19  | SW-2 (4.5')      | Total/NA  | Solid  | 8015 NM |            |
| 880-25412-20  | SW-3 (4.5')      | Total/NA  | Solid  | 8015 NM |            |
| 880-25412-21  | SW-4 (4.5')      | Total/NA  | Solid  | 8015 NM |            |
| 880-25412-22  | SW-5 (4.5')      | Total/NA  | Solid  | 8015 NM |            |
| 880-25412-23  | SW-6 (4.5')      | Total/NA  | Solid  | 8015 NM |            |
| 880-25412-24  | SW-7 (4.5')      | Total/NA  | Solid  | 8015 NM |            |
| 880-25412-25  | SW-8 (1.5')      | Total/NA  | Solid  | 8015 NM |            |
| 880-25412-26  | SW-9 (1.5')      | Total/NA  | Solid  | 8015 NM |            |
| 880-25412-27  | SW-10 (1.5')     | Total/NA  | Solid  | 8015 NM |            |
| 880-25412-28  | SW-11 (1.5')     | Total/NA  | Solid  | 8015 NM |            |
| 880-25412-29  | SW-12 (1.5')     | Total/NA  | Solid  | 8015 NM |            |
| 880-25412-30  | SW-13 (1.5')     | Total/NA  | Solid  | 8015 NM |            |
| 880-25412-31  | SW-14 (1.5')     | Total/NA  | Solid  | 8015 NM |            |
| 880-25412-32  | SW-15 (1.5')     | Total/NA  | Solid  | 8015 NM |            |

## HPLC/IC

## Leach Batch: 47727

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|--------------------|-----------|--------|----------|------------|
| 880-25412-1       | CS-1 (4.5')        | Soluble   | Solid  | DI Leach |            |
| 880-25412-2       | CS-2 (4.5')        | Soluble   | Solid  | DI Leach |            |
| 880-25412-3       | CS-3 (4.5')        | Soluble   | Solid  | DI Leach |            |
| 880-25412-4       | CS-4 (4.5')        | Soluble   | Solid  | DI Leach |            |
| 880-25412-5       | CS-5 (4.5')        | Soluble   | Solid  | DI Leach |            |
| 880-25412-6       | CS-6 (4.5')        | Soluble   | Solid  | DI Leach |            |
| 880-25412-7       | CS-7 (4.5')        | Soluble   | Solid  | DI Leach |            |
| 880-25412-8       | CS-8 (4.5')        | Soluble   | Solid  | DI Leach |            |
| 880-25412-9       | CS-9 (1.5')        | Soluble   | Solid  | DI Leach |            |
| 880-25412-10      | CS-10 (1.5')       | Soluble   | Solid  | DI Leach |            |
| 880-25412-11      | CS-11 (1.5')       | Soluble   | Solid  | DI Leach |            |
| 880-25412-12      | CS-12 (1.5')       | Soluble   | Solid  | DI Leach |            |
| 880-25412-13      | CS-13 (1.5')       | Soluble   | Solid  | DI Leach |            |
| 880-25412-14      | CS-14 (1.5')       | Soluble   | Solid  | DI Leach |            |
| 880-25412-15      | CS-15 (1.5')       | Soluble   | Solid  | DI Leach |            |
| 880-25412-16      | CS-16 (1.5')       | Soluble   | Solid  | DI Leach |            |
| 880-25412-17      | CS-17 (1.5')       | Soluble   | Solid  | DI Leach |            |
| 880-25412-18      | SW-1 (4.5')        | Soluble   | Solid  | DI Leach |            |
| MB 880-47727/1-A  | Method Blank       | Soluble   | Solid  | DI Leach |            |
| LCS 880-47727/2-A | Lab Control Sample | Soluble   | Solid  | DI Leach |            |

Eurofins Midland

## QC Association Summary

Client: Carmona Resources

Job ID: 880-25412-1

Project/Site: Road Runner Fed Com 023H (12.16.22)

SDG: Eddy County, New Mexico

## HPLC/IC (Continued)

## Leach Batch: 47727 (Continued)

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| LCSD 880-47727/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-25412-9 MS     | CS-9 (1.5')            | Soluble   | Solid  | DI Leach |            |
| 880-25412-9 MSD    | CS-9 (1.5')            | Soluble   | Solid  | DI Leach |            |

## Leach Batch: 47730

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-25412-19       | SW-2 (4.5')            | Soluble   | Solid  | DI Leach |            |
| 880-25412-20       | SW-3 (4.5')            | Soluble   | Solid  | DI Leach |            |
| 880-25412-21       | SW-4 (4.5')            | Soluble   | Solid  | DI Leach |            |
| 880-25412-22       | SW-5 (4.5')            | Soluble   | Solid  | DI Leach |            |
| 880-25412-23       | SW-6 (4.5')            | Soluble   | Solid  | DI Leach |            |
| 880-25412-24       | SW-7 (4.5')            | Soluble   | Solid  | DI Leach |            |
| 880-25412-25       | SW-8 (1.5')            | Soluble   | Solid  | DI Leach |            |
| 880-25412-26       | SW-9 (1.5')            | Soluble   | Solid  | DI Leach |            |
| 880-25412-27       | SW-10 (1.5')           | Soluble   | Solid  | DI Leach |            |
| 880-25412-28       | SW-11 (1.5')           | Soluble   | Solid  | DI Leach |            |
| 880-25412-29       | SW-12 (1.5')           | Soluble   | Solid  | DI Leach |            |
| 880-25412-30       | SW-13 (1.5')           | Soluble   | Solid  | DI Leach |            |
| 880-25412-31       | SW-14 (1.5')           | Soluble   | Solid  | DI Leach |            |
| 880-25412-32       | SW-15 (1.5')           | Soluble   | Solid  | DI Leach |            |
| MB 880-47730/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-47730/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-47730/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-25412-19 MS    | SW-2 (4.5')            | Soluble   | Solid  | DI Leach |            |
| 880-25412-19 MSD   | SW-2 (4.5')            | Soluble   | Solid  | DI Leach |            |
| 880-25412-29 MS    | SW-12 (1.5')           | Soluble   | Solid  | DI Leach |            |
| 880-25412-29 MSD   | SW-12 (1.5')           | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 47818

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-25412-1        | CS-1 (4.5')            | Soluble   | Solid  | 300.0  | 47727      |
| 880-25412-2        | CS-2 (4.5')            | Soluble   | Solid  | 300.0  | 47727      |
| 880-25412-3        | CS-3 (4.5')            | Soluble   | Solid  | 300.0  | 47727      |
| 880-25412-4        | CS-4 (4.5')            | Soluble   | Solid  | 300.0  | 47727      |
| 880-25412-5        | CS-5 (4.5')            | Soluble   | Solid  | 300.0  | 47727      |
| 880-25412-6        | CS-6 (4.5')            | Soluble   | Solid  | 300.0  | 47727      |
| 880-25412-7        | CS-7 (4.5')            | Soluble   | Solid  | 300.0  | 47727      |
| 880-25412-8        | CS-8 (4.5')            | Soluble   | Solid  | 300.0  | 47727      |
| 880-25412-9        | CS-9 (1.5')            | Soluble   | Solid  | 300.0  | 47727      |
| 880-25412-10       | CS-10 (1.5')           | Soluble   | Solid  | 300.0  | 47727      |
| 880-25412-11       | CS-11 (1.5')           | Soluble   | Solid  | 300.0  | 47727      |
| 880-25412-12       | CS-12 (1.5')           | Soluble   | Solid  | 300.0  | 47727      |
| 880-25412-13       | CS-13 (1.5')           | Soluble   | Solid  | 300.0  | 47727      |
| 880-25412-14       | CS-14 (1.5')           | Soluble   | Solid  | 300.0  | 47727      |
| 880-25412-15       | CS-15 (1.5')           | Soluble   | Solid  | 300.0  | 47727      |
| 880-25412-16       | CS-16 (1.5')           | Soluble   | Solid  | 300.0  | 47727      |
| 880-25412-17       | CS-17 (1.5')           | Soluble   | Solid  | 300.0  | 47727      |
| 880-25412-18       | SW-1 (4.5')            | Soluble   | Solid  | 300.0  | 47727      |
| MB 880-47727/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 47727      |
| LCS 880-47727/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 47727      |
| LCSD 880-47727/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 47727      |

Eurofins Midland

## QC Association Summary

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-25412-1  
SDG: Eddy County, New Mexico

## HPLC/IC (Continued)

## Analysis Batch: 47818 (Continued)

| Lab Sample ID   | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|------------------|-----------|--------|--------|------------|
| 880-25412-9 MS  | CS-9 (1.5')      | Soluble   | Solid  | 300.0  | 47727      |
| 880-25412-9 MSD | CS-9 (1.5')      | Soluble   | Solid  | 300.0  | 47727      |

## Analysis Batch: 47819

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-25412-19       | SW-2 (4.5')            | Soluble   | Solid  | 300.0  | 47730      |
| 880-25412-20       | SW-3 (4.5')            | Soluble   | Solid  | 300.0  | 47730      |
| 880-25412-21       | SW-4 (4.5')            | Soluble   | Solid  | 300.0  | 47730      |
| 880-25412-22       | SW-5 (4.5')            | Soluble   | Solid  | 300.0  | 47730      |
| 880-25412-23       | SW-6 (4.5')            | Soluble   | Solid  | 300.0  | 47730      |
| 880-25412-24       | SW-7 (4.5')            | Soluble   | Solid  | 300.0  | 47730      |
| 880-25412-25       | SW-8 (1.5')            | Soluble   | Solid  | 300.0  | 47730      |
| 880-25412-26       | SW-9 (1.5')            | Soluble   | Solid  | 300.0  | 47730      |
| 880-25412-27       | SW-10 (1.5')           | Soluble   | Solid  | 300.0  | 47730      |
| 880-25412-28       | SW-11 (1.5')           | Soluble   | Solid  | 300.0  | 47730      |
| 880-25412-29       | SW-12 (1.5')           | Soluble   | Solid  | 300.0  | 47730      |
| 880-25412-30       | SW-13 (1.5')           | Soluble   | Solid  | 300.0  | 47730      |
| 880-25412-31       | SW-14 (1.5')           | Soluble   | Solid  | 300.0  | 47730      |
| 880-25412-32       | SW-15 (1.5')           | Soluble   | Solid  | 300.0  | 47730      |
| MB 880-47730/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 47730      |
| LCS 880-47730/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 47730      |
| LCSD 880-47730/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 47730      |
| 880-25412-19 MS    | SW-2 (4.5')            | Soluble   | Solid  | 300.0  | 47730      |
| 880-25412-19 MSD   | SW-2 (4.5')            | Soluble   | Solid  | 300.0  | 47730      |
| 880-25412-29 MS    | SW-12 (1.5')           | Soluble   | Solid  | 300.0  | 47730      |
| 880-25412-29 MSD   | SW-12 (1.5')           | Soluble   | Solid  | 300.0  | 47730      |

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-25412-1  
SDG: Eddy County, New Mexico

Client Sample ID: CS-1 (4.5')

Lab Sample ID: 880-25412-1

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 47731        | 03/03/23 12:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 47853        | 03/05/23 21:02       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 47958        | 03/06/23 15:00       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 47932        | 03/06/23 12:56       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 47752        | 03/03/23 13:24       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 47687        | 03/03/23 21:13       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 47727        | 03/03/23 12:10       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 47818        | 03/04/23 17:01       | CH      | EET MID |

Client Sample ID: CS-2 (4.5')

Lab Sample ID: 880-25412-2

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.98 g         | 5 mL         | 47731        | 03/03/23 12:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 47853        | 03/05/23 21:28       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 47958        | 03/06/23 15:00       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 47932        | 03/06/23 12:56       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 47752        | 03/03/23 13:24       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 47687        | 03/03/23 22:17       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.97 g         | 50 mL        | 47727        | 03/03/23 12:10       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 47818        | 03/04/23 17:06       | CH      | EET MID |

Client Sample ID: CS-3 (4.5')

Lab Sample ID: 880-25412-3

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 47731        | 03/03/23 12:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 47853        | 03/05/23 21:55       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 47958        | 03/06/23 15:00       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 47932        | 03/06/23 12:56       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 47752        | 03/03/23 13:24       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 47687        | 03/03/23 22:39       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 47727        | 03/03/23 12:10       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 47818        | 03/04/23 17:11       | CH      | EET MID |

Client Sample ID: CS-4 (4.5')

Lab Sample ID: 880-25412-4

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 47731        | 03/03/23 12:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 47853        | 03/05/23 22:21       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 47958        | 03/06/23 15:00       | AJ      | EET MID |

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## Lab Chronicle

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-25412-1  
SDG: Eddy County, New Mexico

Client Sample ID: CS-4 (4.5')

Lab Sample ID: 880-25412-4

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 47932        | 03/06/23 12:56       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 47752        | 03/03/23 13:24       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 47687        | 03/03/23 23:01       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 47727        | 03/03/23 12:10       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 47818        | 03/04/23 17:25       | CH      | EET MID |

Client Sample ID: CS-5 (4.5')

Lab Sample ID: 880-25412-5

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 47731        | 03/03/23 12:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 47853        | 03/05/23 22:48       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 47958        | 03/06/23 15:00       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 47932        | 03/06/23 12:56       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 47752        | 03/03/23 13:24       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 47687        | 03/03/23 23:22       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5 g            | 50 mL        | 47727        | 03/03/23 12:10       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 47818        | 03/04/23 17:30       | CH      | EET MID |

Client Sample ID: CS-6 (4.5')

Lab Sample ID: 880-25412-6

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 47731        | 03/03/23 12:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 47853        | 03/05/23 23:14       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 47958        | 03/06/23 15:00       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 47932        | 03/06/23 12:56       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 47752        | 03/03/23 13:24       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 47687        | 03/03/23 23:44       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 47727        | 03/03/23 12:10       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 47818        | 03/04/23 17:35       | CH      | EET MID |

Client Sample ID: CS-7 (4.5')

Lab Sample ID: 880-25412-7

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 47731        | 03/03/23 12:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 47853        | 03/05/23 23:41       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 47958        | 03/06/23 15:00       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 47932        | 03/06/23 12:56       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 47752        | 03/03/23 13:24       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 47687        | 03/04/23 00:05       | SM      | EET MID |

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## Lab Chronicle

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-25412-1  
SDG: Eddy County, New Mexico

## Client Sample ID: CS-7 (4.5')

Date Collected: 03/02/23 00:00

Date Received: 03/03/23 10:43

## Lab Sample ID: 880-25412-7

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 47727        | 03/03/23 12:10       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 47818        | 03/04/23 17:40       | CH      | EET MID |

## Client Sample ID: CS-8 (4.5')

Date Collected: 03/02/23 00:00

Date Received: 03/03/23 10:43

## Lab Sample ID: 880-25412-8

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 47731        | 03/03/23 12:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 47853        | 03/06/23 00:07       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 47958        | 03/06/23 15:00       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 47932        | 03/06/23 12:56       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 47752        | 03/03/23 13:24       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 47687        | 03/04/23 00:27       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 47727        | 03/03/23 12:10       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 47818        | 03/04/23 17:45       | CH      | EET MID |

## Client Sample ID: CS-9 (1.5')

Date Collected: 03/02/23 00:00

Date Received: 03/03/23 10:43

## Lab Sample ID: 880-25412-9

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.05 g         | 5 mL         | 47731        | 03/03/23 12:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 47853        | 03/06/23 00:33       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 47958        | 03/06/23 15:00       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 47932        | 03/06/23 12:56       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 47752        | 03/03/23 13:24       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 47687        | 03/04/23 00:49       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 47727        | 03/03/23 12:10       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 47818        | 03/04/23 17:50       | CH      | EET MID |

## Client Sample ID: CS-10 (1.5')

Date Collected: 03/02/23 00:00

Date Received: 03/03/23 10:43

## Lab Sample ID: 880-25412-10

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 47731        | 03/03/23 12:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 47853        | 03/06/23 00:58       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 47958        | 03/06/23 15:00       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 47932        | 03/06/23 12:56       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 47752        | 03/03/23 13:24       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 47687        | 03/04/23 01:10       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 47727        | 03/03/23 12:10       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 47818        | 03/04/23 18:20       | CH      | EET MID |

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-25412-1  
SDG: Eddy County, New Mexico

Client Sample ID: CS-11 (1.5')

Lab Sample ID: 880-25412-11

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 47731        | 03/03/23 12:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 47853        | 03/06/23 02:43       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 47958        | 03/06/23 15:00       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 47932        | 03/06/23 12:56       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 47752        | 03/03/23 13:24       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 47687        | 03/04/23 01:53       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.97 g         | 50 mL        | 47727        | 03/03/23 12:10       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 47818        | 03/04/23 18:25       | CH      | EET MID |

Client Sample ID: CS-12 (1.5')

Lab Sample ID: 880-25412-12

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 47731        | 03/03/23 12:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 47853        | 03/06/23 03:08       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 47958        | 03/06/23 15:00       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 47932        | 03/06/23 12:56       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 47752        | 03/03/23 13:24       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 47687        | 03/04/23 02:14       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5 g            | 50 mL        | 47727        | 03/03/23 12:10       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 47818        | 03/04/23 18:40       | CH      | EET MID |

Client Sample ID: CS-13 (1.5')

Lab Sample ID: 880-25412-13

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 47731        | 03/03/23 12:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 47853        | 03/06/23 03:34       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 47958        | 03/06/23 15:00       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 47932        | 03/06/23 12:56       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 47752        | 03/03/23 13:24       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 47687        | 03/04/23 02:35       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 47727        | 03/03/23 12:10       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 47818        | 03/04/23 18:45       | CH      | EET MID |

Client Sample ID: CS-14 (1.5')

Lab Sample ID: 880-25412-14

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 47731        | 03/03/23 12:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 47853        | 03/06/23 04:00       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 47958        | 03/06/23 15:00       | AJ      | EET MID |

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## Lab Chronicle

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-25412-1  
SDG: Eddy County, New Mexico

Client Sample ID: CS-14 (1.5')

Lab Sample ID: 880-25412-14

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 47932        | 03/06/23 12:56       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 47752        | 03/03/23 13:24       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 47687        | 03/04/23 02:58       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 47727        | 03/03/23 12:10       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 47818        | 03/04/23 18:50       | CH      | EET MID |

Client Sample ID: CS-15 (1.5')

Lab Sample ID: 880-25412-15

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.95 g         | 5 mL         | 47731        | 03/03/23 12:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 47853        | 03/06/23 04:25       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 47958        | 03/06/23 15:00       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 47932        | 03/06/23 12:56       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 47752        | 03/03/23 13:24       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 47687        | 03/04/23 03:20       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 47727        | 03/03/23 12:10       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 47818        | 03/04/23 18:54       | CH      | EET MID |

Client Sample ID: CS-16 (1.5')

Lab Sample ID: 880-25412-16

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 47731        | 03/03/23 12:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 47853        | 03/06/23 04:51       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 47958        | 03/06/23 15:00       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 47932        | 03/06/23 12:56       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 47752        | 03/03/23 13:24       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 47687        | 03/04/23 03:41       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 47727        | 03/03/23 12:10       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 47818        | 03/04/23 18:59       | CH      | EET MID |

Client Sample ID: CS-17 (1.5')

Lab Sample ID: 880-25412-17

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 47731        | 03/03/23 12:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 47853        | 03/06/23 05:17       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 47958        | 03/06/23 15:00       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 47932        | 03/06/23 12:56       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 47752        | 03/03/23 13:24       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 47687        | 03/04/23 04:02       | SM      | EET MID |

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## Lab Chronicle

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-25412-1  
SDG: Eddy County, New Mexico

## Client Sample ID: CS-17 (1.5')

Date Collected: 03/02/23 00:00

Date Received: 03/03/23 10:43

## Lab Sample ID: 880-25412-17

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.97 g         | 50 mL        | 47727        | 03/03/23 12:10       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 47818        | 03/04/23 19:04       | CH      | EET MID |

## Client Sample ID: SW-1 (4.5')

Date Collected: 03/02/23 00:00

Date Received: 03/03/23 10:43

## Lab Sample ID: 880-25412-18

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.04 g         | 5 mL         | 47731        | 03/03/23 12:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 47853        | 03/06/23 05:43       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 47958        | 03/06/23 15:00       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 47932        | 03/06/23 12:56       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 47752        | 03/03/23 13:24       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 47687        | 03/04/23 04:23       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 47727        | 03/03/23 12:10       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 47818        | 03/04/23 19:09       | CH      | EET MID |

## Client Sample ID: SW-2 (4.5')

Date Collected: 03/02/23 00:00

Date Received: 03/03/23 10:43

## Lab Sample ID: 880-25412-19

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 47731        | 03/03/23 12:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 47853        | 03/06/23 06:09       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 47958        | 03/06/23 15:00       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 47932        | 03/06/23 12:56       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 47752        | 03/03/23 13:24       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 47687        | 03/04/23 04:45       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 47730        | 03/03/23 12:14       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 47819        | 03/04/23 18:27       | CH      | EET MID |

## Client Sample ID: SW-3 (4.5')

Date Collected: 03/02/23 00:00

Date Received: 03/03/23 10:43

## Lab Sample ID: 880-25412-20

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 47731        | 03/03/23 12:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 47853        | 03/06/23 06:36       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 47958        | 03/06/23 15:00       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 47932        | 03/06/23 12:56       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 47752        | 03/03/23 13:24       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 47687        | 03/04/23 05:06       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 47730        | 03/03/23 12:14       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 47819        | 03/04/23 18:45       | CH      | EET MID |

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## Lab Chronicle

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-25412-1  
SDG: Eddy County, New Mexico

Client Sample ID: SW-4 (4.5')

Lab Sample ID: 880-25412-21

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.96 g         | 5 mL         | 47733        | 03/06/23 12:32       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 47865        | 03/07/23 02:15       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 47958        | 03/07/23 16:00       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 47932        | 03/06/23 12:22       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 47759        | 03/03/23 14:07       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 47801        | 03/04/23 13:10       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5 g            | 50 mL        | 47730        | 03/03/23 12:14       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 47819        | 03/04/23 18:51       | CH      | EET MID |

Client Sample ID: SW-5 (4.5')

Lab Sample ID: 880-25412-22

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.95 g         | 5 mL         | 47733        | 03/06/23 12:32       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 47865        | 03/07/23 02:42       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 47958        | 03/07/23 16:00       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 47932        | 03/06/23 12:22       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 47759        | 03/03/23 14:07       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 47801        | 03/04/23 13:33       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 47730        | 03/03/23 12:14       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 47819        | 03/04/23 18:57       | CH      | EET MID |

Client Sample ID: SW-6 (4.5')

Lab Sample ID: 880-25412-23

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 47733        | 03/06/23 12:32       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 47865        | 03/07/23 03:08       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 47958        | 03/07/23 16:00       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 47932        | 03/06/23 12:22       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 47759        | 03/03/23 14:07       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 47801        | 03/04/23 13:55       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.97 g         | 50 mL        | 47730        | 03/03/23 12:14       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 47819        | 03/04/23 19:04       | CH      | EET MID |

Client Sample ID: SW-7 (4.5')

Lab Sample ID: 880-25412-24

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 47733        | 03/06/23 12:32       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 47865        | 03/07/23 03:35       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 47958        | 03/07/23 16:00       | AJ      | EET MID |

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-25412-1  
SDG: Eddy County, New Mexico

Client Sample ID: SW-7 (4.5')

Lab Sample ID: 880-25412-24

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 47932        | 03/06/23 12:22       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 47759        | 03/03/23 14:07       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 47801        | 03/04/23 14:17       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 47730        | 03/03/23 12:14       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 47819        | 03/04/23 19:22       | CH      | EET MID |

Client Sample ID: SW-8 (1.5')

Lab Sample ID: 880-25412-25

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 47733        | 03/06/23 12:32       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 47865        | 03/07/23 04:00       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 47958        | 03/07/23 16:00       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 47932        | 03/06/23 12:22       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 47759        | 03/03/23 14:07       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 47801        | 03/04/23 14:38       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 47730        | 03/03/23 12:14       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 47819        | 03/04/23 19:28       | CH      | EET MID |

Client Sample ID: SW-9 (1.5')

Lab Sample ID: 880-25412-26

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.05 g         | 5 mL         | 47733        | 03/06/23 12:32       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 47865        | 03/07/23 04:26       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 47958        | 03/07/23 16:00       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 47932        | 03/06/23 12:22       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 47759        | 03/03/23 14:07       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 47801        | 03/04/23 14:59       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 47730        | 03/03/23 12:14       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 47819        | 03/04/23 19:34       | CH      | EET MID |

Client Sample ID: SW-10 (1.5')

Lab Sample ID: 880-25412-27

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 47733        | 03/06/23 12:32       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 47865        | 03/07/23 04:52       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 47958        | 03/07/23 16:00       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 47932        | 03/06/23 12:22       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 47759        | 03/03/23 14:07       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 47801        | 03/04/23 15:21       | SM      | EET MID |

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-25412-1  
SDG: Eddy County, New Mexico

Client Sample ID: SW-10 (1.5')

Lab Sample ID: 880-25412-27

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5 g            | 50 mL        | 47730        | 03/03/23 12:14       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 47819        | 03/04/23 19:41       | CH      | EET MID |

Client Sample ID: SW-11 (1.5')

Lab Sample ID: 880-25412-28

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 47733        | 03/06/23 12:32       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 47865        | 03/07/23 05:19       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 47958        | 03/07/23 16:00       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 47932        | 03/06/23 12:22       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 47759        | 03/03/23 14:07       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 47801        | 03/04/23 15:42       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 47730        | 03/03/23 12:14       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 47819        | 03/04/23 19:47       | CH      | EET MID |

Client Sample ID: SW-12 (1.5')

Lab Sample ID: 880-25412-29

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 47733        | 03/06/23 12:32       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 47865        | 03/07/23 05:45       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 47958        | 03/07/23 16:00       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 47932        | 03/06/23 12:22       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 47759        | 03/03/23 14:07       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 47801        | 03/04/23 16:25       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 47730        | 03/03/23 12:14       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 47819        | 03/04/23 19:53       | CH      | EET MID |

Client Sample ID: SW-13 (1.5')

Lab Sample ID: 880-25412-30

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 47733        | 03/06/23 12:32       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 47865        | 03/07/23 06:12       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 47958        | 03/07/23 16:00       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 47932        | 03/06/23 12:22       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 47759        | 03/03/23 14:07       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 47801        | 03/04/23 16:46       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.97 g         | 50 mL        | 47730        | 03/03/23 12:14       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 47819        | 03/04/23 20:11       | CH      | EET MID |

Eurofins Midland

Lab Chronicle

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-25412-1  
SDG: Eddy County, New Mexico

Client Sample ID: SW-14 (1.5')  
Date Collected: 03/02/23 00:00  
Date Received: 03/03/23 10:43

Lab Sample ID: 880-25412-31  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 47733        | 03/06/23 12:32       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 47865        | 03/07/23 08:00       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 47958        | 03/07/23 16:00       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 47932        | 03/06/23 12:22       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 47759        | 03/03/23 14:07       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 47801        | 03/04/23 17:08       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 47730        | 03/03/23 12:14       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 47819        | 03/04/23 20:17       | CH      | EET MID |

Client Sample ID: SW-15 (1.5')  
Date Collected: 03/02/23 00:00  
Date Received: 03/03/23 10:43

Lab Sample ID: 880-25412-32  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 47724        | 03/03/23 11:55       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 47864        | 03/06/23 19:46       | AJ      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 47958        | 03/07/23 13:15       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 47932        | 03/06/23 12:22       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 47759        | 03/03/23 14:07       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 47801        | 03/04/23 17:29       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5 g            | 50 mL        | 47730        | 03/03/23 12:14       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 47819        | 03/04/23 20:36       | CH      | EET MID |

Laboratory References:  
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

## Accreditation/Certification Summary

Client: Carmona Resources

Job ID: 880-25412-1

Project/Site: Road Runner Fed Com 023H (12.16.22)

SDG: Eddy County, New Mexico

## Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704400-22-25      | 06-30-23        |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte                              |
|-----------------|-------------|--------|--------------------------------------|
| 300.0           |             | Solid  | Chloride                             |
| 8015 NM         |             | Solid  | Total TPH                            |
| 8015B NM        | 8015NM Prep | Solid  | Diesel Range Organics (Over C10-C28) |
| 8015B NM        | 8015NM Prep | Solid  | Gasoline Range Organics (GRO)-C6-C10 |
| 8015B NM        | 8015NM Prep | Solid  | Oil Range Organics (Over C28-C36)    |
| 8021B           | 5035        | Solid  | Benzene                              |
| 8021B           | 5035        | Solid  | Ethylbenzene                         |
| 8021B           | 5035        | Solid  | m-Xylene & p-Xylene                  |
| 8021B           | 5035        | Solid  | o-Xylene                             |
| 8021B           | 5035        | Solid  | Toluene                              |
| 8021B           | 5035        | Solid  | Xylenes, Total                       |
| Total BTEX      |             | Solid  | Total BTEX                           |

Eurofins Midland

## Method Summary

Client: Carmona Resources

Job ID: 880-25412-1

Project/Site: Road Runner Fed Com 023H (12.16.22)

SDG: Eddy County, New Mexico

| Method      | Method Description                 | Protocol | Laboratory |
|-------------|------------------------------------|----------|------------|
| 8021B       | Volatile Organic Compounds (GC)    | SW846    | EET MID    |
| Total BTEX  | Total BTEX Calculation             | TAL SOP  | EET MID    |
| 8015 NM     | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 8015B NM    | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 300.0       | Anions, Ion Chromatography         | EPA      | EET MID    |
| 5035        | Closed System Purge and Trap       | SW846    | EET MID    |
| 8015NM Prep | Microextraction                    | SW846    | EET MID    |
| DI Leach    | Deionized Water Leaching Procedure | ASTM     | EET MID    |

**Protocol References:**

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

**Laboratory References:**

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

## Sample Summary

Client: Carmona Resources  
Project/Site: Road Runner Fed Com 023H (12.16.22)

Job ID: 880-25412-1  
SDG: Eddy County, New Mexico

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 880-25412-1   | CS-1 (4.5')      | Solid  | 03/02/23 00:00 | 03/03/23 10:43 |
| 880-25412-2   | CS-2 (4.5')      | Solid  | 03/02/23 00:00 | 03/03/23 10:43 |
| 880-25412-3   | CS-3 (4.5')      | Solid  | 03/02/23 00:00 | 03/03/23 10:43 |
| 880-25412-4   | CS-4 (4.5')      | Solid  | 03/02/23 00:00 | 03/03/23 10:43 |
| 880-25412-5   | CS-5 (4.5')      | Solid  | 03/02/23 00:00 | 03/03/23 10:43 |
| 880-25412-6   | CS-6 (4.5')      | Solid  | 03/02/23 00:00 | 03/03/23 10:43 |
| 880-25412-7   | CS-7 (4.5')      | Solid  | 03/02/23 00:00 | 03/03/23 10:43 |
| 880-25412-8   | CS-8 (4.5')      | Solid  | 03/02/23 00:00 | 03/03/23 10:43 |
| 880-25412-9   | CS-9 (1.5')      | Solid  | 03/02/23 00:00 | 03/03/23 10:43 |
| 880-25412-10  | CS-10 (1.5')     | Solid  | 03/02/23 00:00 | 03/03/23 10:43 |
| 880-25412-11  | CS-11 (1.5')     | Solid  | 03/02/23 00:00 | 03/03/23 10:43 |
| 880-25412-12  | CS-12 (1.5')     | Solid  | 03/02/23 00:00 | 03/03/23 10:43 |
| 880-25412-13  | CS-13 (1.5')     | Solid  | 03/02/23 00:00 | 03/03/23 10:43 |
| 880-25412-14  | CS-14 (1.5')     | Solid  | 03/02/23 00:00 | 03/03/23 10:43 |
| 880-25412-15  | CS-15 (1.5')     | Solid  | 03/02/23 00:00 | 03/03/23 10:43 |
| 880-25412-16  | CS-16 (1.5')     | Solid  | 03/02/23 00:00 | 03/03/23 10:43 |
| 880-25412-17  | CS-17 (1.5')     | Solid  | 03/02/23 00:00 | 03/03/23 10:43 |
| 880-25412-18  | SW-1 (4.5')      | Solid  | 03/02/23 00:00 | 03/03/23 10:43 |
| 880-25412-19  | SW-2 (4.5')      | Solid  | 03/02/23 00:00 | 03/03/23 10:43 |
| 880-25412-20  | SW-3 (4.5')      | Solid  | 03/02/23 00:00 | 03/03/23 10:43 |
| 880-25412-21  | SW-4 (4.5')      | Solid  | 03/02/23 00:00 | 03/03/23 10:43 |
| 880-25412-22  | SW-5 (4.5')      | Solid  | 03/02/23 00:00 | 03/03/23 10:43 |
| 880-25412-23  | SW-6 (4.5')      | Solid  | 03/02/23 00:00 | 03/03/23 10:43 |
| 880-25412-24  | SW-7 (4.5')      | Solid  | 03/02/23 00:00 | 03/03/23 10:43 |
| 880-25412-25  | SW-8 (1.5')      | Solid  | 03/02/23 00:00 | 03/03/23 10:43 |
| 880-25412-26  | SW-9 (1.5')      | Solid  | 03/02/23 00:00 | 03/03/23 10:43 |
| 880-25412-27  | SW-10 (1.5')     | Solid  | 03/02/23 00:00 | 03/03/23 10:43 |
| 880-25412-28  | SW-11 (1.5')     | Solid  | 03/02/23 00:00 | 03/03/23 10:43 |
| 880-25412-29  | SW-12 (1.5')     | Solid  | 03/02/23 00:00 | 03/03/23 10:43 |
| 880-25412-30  | SW-13 (1.5')     | Solid  | 03/02/23 00:00 | 03/03/23 10:43 |
| 880-25412-31  | SW-14 (1.5')     | Solid  | 03/02/23 00:00 | 03/03/23 10:43 |
| 880-25412-32  | SW-15 (1.5')     | Solid  | 03/02/23 00:00 | 03/03/23 10:43 |

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Work Order No: 25412

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|                 |                       |                        |                                  |
|-----------------|-----------------------|------------------------|----------------------------------|
| Project Manager | Conner Moehring       | Bill to (if different) | Jacqui Harris                    |
| Company Name    | Carmona Resources     | Company Name           | COG                              |
| Address         | 310 W Wall St Ste 415 | Address                | 15 W London Rd                   |
| City, State ZIP | Midland, TX 79701     | City, State ZIP        | Loving, NM 88258                 |
| Phone           | 432-813-6823          | Email                  | jacqui.harris@conocophillips.com |

|                     |                                    |                                      |                                   |
|---------------------|------------------------------------|--------------------------------------|-----------------------------------|
| Work Order Comments |                                    |                                      |                                   |
| Program: UST/PST    | <input type="checkbox"/> PRP       | <input type="checkbox"/> Brownfields | <input type="checkbox"/> RC       |
| State of Project:   |                                    |                                      |                                   |
| Reporting Level II  | <input type="checkbox"/> Level III | <input type="checkbox"/> ST/UST      | <input type="checkbox"/> RRP      |
| Deliverables: EDD   | <input type="checkbox"/> ADAPT     | <input type="checkbox"/> Other       | <input type="checkbox"/> Level IV |

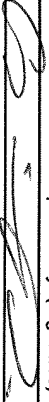
|                      |                                     |             |                                                                           |                       |                  |    |         |     |    |  |  |  |  |  |  |  |                                               |                           |  |  |  |                                                                   |  |
|----------------------|-------------------------------------|-------------|---------------------------------------------------------------------------|-----------------------|------------------|----|---------|-----|----|--|--|--|--|--|--|--|-----------------------------------------------|---------------------------|--|--|--|-------------------------------------------------------------------|--|
| Project Name         | Road Runner Fed Com 023H (12 16 22) | Turn Around | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush | Pres. Code            | ANALYSIS REQUEST |    |         |     |    |  |  |  |  |  |  |  | Preservative Codes                            |                           |  |  |  |                                                                   |  |
| Project Number       | 1212                                | Due Date    |                                                                           |                       |                  |    |         |     |    |  |  |  |  |  |  |  | None NO                                       | DI Water H <sub>2</sub> O |  |  |  |                                                                   |  |
| Project Location     | Eddy County, New Mexico             |             |                                                                           |                       |                  |    |         |     |    |  |  |  |  |  |  |  | Cool, Cool                                    | MeOH Me                   |  |  |  |                                                                   |  |
| Sampler's Name       | CRM                                 |             |                                                                           |                       |                  |    |         |     |    |  |  |  |  |  |  |  | HCL, HC                                       | HNO <sub>3</sub> HN       |  |  |  |                                                                   |  |
| PO #:                |                                     |             |                                                                           |                       |                  |    |         |     |    |  |  |  |  |  |  |  | H <sub>2</sub> SO <sub>4</sub> H <sub>2</sub> | NaOH Na                   |  |  |  |                                                                   |  |
| SAMPLE RECEIPT       |                                     |             |                                                                           | 24 Hrs                |                  |    |         |     |    |  |  |  |  |  |  |  | H <sub>3</sub> PO <sub>4</sub> , HP           |                           |  |  |  |                                                                   |  |
| Received Intact:     | Teapa Blank                         | Yes         | No                                                                        | Thermometer ID        | Yes              | No | Wet Ice | Yes | No |  |  |  |  |  |  |  |                                               |                           |  |  |  | NaHSO <sub>4</sub> , NABIS                                        |  |
| Cooler Custody Seals | Yes                                 | No          | N/A                                                                       | Correction Factor     | Yes              | No |         |     |    |  |  |  |  |  |  |  |                                               |                           |  |  |  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> , NaSO <sub>3</sub> |  |
| Sample Custody Seals | Yes                                 | No          | N/A                                                                       | Temperature Reading   | Yes              | No |         |     |    |  |  |  |  |  |  |  |                                               |                           |  |  |  | Zn Acetate+NaOH Zn                                                |  |
| Total Containers:    |                                     |             |                                                                           | Corrected Temperature | Yes              | No |         |     |    |  |  |  |  |  |  |  |                                               |                           |  |  |  | NaOH+Ascorbic Acid SAPC                                           |  |

|                       |          |      |      |       |           |           |                              |  |  |  |  |  |  |  |  |  |  |  |                 |  |
|-----------------------|----------|------|------|-------|-----------|-----------|------------------------------|--|--|--|--|--|--|--|--|--|--|--|-----------------|--|
| Sample Identification | Date     | Time | Soil | Water | Grab/Comp | # of Cont | Parameters                   |  |  |  |  |  |  |  |  |  |  |  | Sample Comments |  |
| CS-1 (4.5)            | 3/2/2023 |      | X    |       | Comp      | 1         | BTX 8021B                    |  |  |  |  |  |  |  |  |  |  |  | 402             |  |
| CS-2 (4.5)            | 3/2/2023 |      | X    |       | Comp      | 1         | TPH 8015M ( GRO + DRO + MRO) |  |  |  |  |  |  |  |  |  |  |  |                 |  |
| CS-3 (4.5)            | 3/2/2023 |      | X    |       | Comp      | 1         | Chloride 300.0               |  |  |  |  |  |  |  |  |  |  |  |                 |  |
| CS-4 (4.5)            | 3/2/2023 |      | X    |       | Comp      | 1         |                              |  |  |  |  |  |  |  |  |  |  |  |                 |  |
| CS-5 (4.5)            | 3/2/2023 |      | X    |       | Comp      | 1         |                              |  |  |  |  |  |  |  |  |  |  |  |                 |  |
| CS-6 (4.5)            | 3/2/2023 |      | X    |       | Comp      | 1         |                              |  |  |  |  |  |  |  |  |  |  |  |                 |  |
| CS-7 (4.5)            | 3/2/2023 |      | X    |       | Comp      | 1         |                              |  |  |  |  |  |  |  |  |  |  |  |                 |  |
| CS-8 (4.5)            | 3/2/2023 |      | X    |       | Comp      | 1         |                              |  |  |  |  |  |  |  |  |  |  |  |                 |  |
| CS-9 (1.5)            | 3/2/2023 |      | X    |       | Comp      | 1         |                              |  |  |  |  |  |  |  |  |  |  |  |                 |  |
| CS-10 (1.5)           | 3/2/2023 |      | X    |       | Comp      | 1         |                              |  |  |  |  |  |  |  |  |  |  |  |                 |  |



880-25412 Chain of Custody

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

|                                                                                   |                |                                                                                     |           |
|-----------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------|-----------|
| Relinquished by (Signature)                                                       | Date/Time      | Received by (Signature)                                                             | Date/Time |
|  | 3/3/23<br>1043 |  |           |

Work Order No: 25412

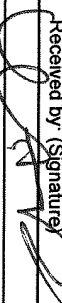
Page 2 of 4

|                 |  |                       |  |                         |  |                                  |  |
|-----------------|--|-----------------------|--|-------------------------|--|----------------------------------|--|
| Project Manager |  | Conner Moehring       |  | Bill to: (if different) |  | Jacqui Harris                    |  |
| Company Name:   |  | Carmona Resources     |  | Company Name            |  | COG                              |  |
| Address:        |  | 310 W Wall St Ste 415 |  | Address:                |  | 15 W London Rd                   |  |
| City, State ZIP |  | Midland, TX 79701     |  | City, State ZIP         |  | Loving, NM 88258                 |  |
| Phone           |  | 432-813-6823          |  | Email                   |  | jacqui.harris@conocophillips.com |  |

|                       |  |                                     |  |                                                                           |  |            |  |                  |  |  |  |  |  |  |  |  |  |  |  |                    |  |                                                                 |  |
|-----------------------|--|-------------------------------------|--|---------------------------------------------------------------------------|--|------------|--|------------------|--|--|--|--|--|--|--|--|--|--|--|--------------------|--|-----------------------------------------------------------------|--|
| Project Name          |  | Road Runner Fed Com 023H (12 16 22) |  | Turn Around                                                               |  | Pres. Code |  | ANALYSIS REQUEST |  |  |  |  |  |  |  |  |  |  |  | Preservative Codes |  |                                                                 |  |
| Project Number        |  | 1212                                |  | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |  |            |  |                  |  |  |  |  |  |  |  |  |  |  |  |                    |  | None NO DI Water H <sub>2</sub> O                               |  |
| Project Location      |  | Eddy County, New Mexico             |  | Due Date                                                                  |  |            |  |                  |  |  |  |  |  |  |  |  |  |  |  |                    |  | Cool Cool MeOH Me                                               |  |
| Sampler's Name        |  | CRM                                 |  |                                                                           |  | 24 Hrs     |  |                  |  |  |  |  |  |  |  |  |  |  |  |                    |  | HCL HC HNO <sub>3</sub> HN                                      |  |
| PO #                  |  |                                     |  |                                                                           |  |            |  |                  |  |  |  |  |  |  |  |  |  |  |  |                    |  | H <sub>2</sub> SO <sub>4</sub> H <sub>2</sub> NaOH Na           |  |
| SAMPLE RECEIPT        |  | Temp Blank.                         |  | Yes No                                                                    |  | Wet Ice.   |  | Yes No           |  |  |  |  |  |  |  |  |  |  |  |                    |  | H <sub>3</sub> PO <sub>4</sub> HP                               |  |
| Received In tact:     |  | Yes No                              |  | Thermometer ID                                                            |  |            |  |                  |  |  |  |  |  |  |  |  |  |  |  |                    |  | NaHSO <sub>4</sub> NABIS                                        |  |
| Cooler Custody Seals. |  | Yes No N/A                          |  | Correction Factor                                                         |  |            |  |                  |  |  |  |  |  |  |  |  |  |  |  |                    |  | Na <sub>2</sub> S <sub>2</sub> O <sub>8</sub> NaSO <sub>3</sub> |  |
| Sample Custody Seals. |  | Yes No N/A                          |  | Temperature Reading                                                       |  |            |  |                  |  |  |  |  |  |  |  |  |  |  |  |                    |  | Zn Acetate+NaOH Zn                                              |  |
| Total Containers.     |  |                                     |  | Corrected Temperature                                                     |  |            |  |                  |  |  |  |  |  |  |  |  |  |  |  |                    |  | NaOH+Ascorbic Acid SAPC                                         |  |

| Sample Identification |  | Date     | Time | Soil | Water | Grab/ Cont | # of | Parameters                   |  |  |  |  |  |  |  |  |  |  |  | Sample Comments |  |
|-----------------------|--|----------|------|------|-------|------------|------|------------------------------|--|--|--|--|--|--|--|--|--|--|--|-----------------|--|
| CS-11 (1.5')          |  | 3/2/2023 |      | X    |       | Comp       | 1    | BTX 8021B                    |  |  |  |  |  |  |  |  |  |  |  |                 |  |
| CS-12 (1.5')          |  | 3/2/2023 |      | X    |       | Comp       | 1    | TPH 8015M ( GRO + DRO + MRO) |  |  |  |  |  |  |  |  |  |  |  |                 |  |
| CS-13 (1.5')          |  | 3/2/2023 |      | X    |       | Comp       | 1    | Chloride 300.0               |  |  |  |  |  |  |  |  |  |  |  |                 |  |
| CS-14 (1.5')          |  | 3/2/2023 |      | X    |       | Comp       | 1    |                              |  |  |  |  |  |  |  |  |  |  |  |                 |  |
| CS-15 (1.5')          |  | 3/2/2023 |      | X    |       | Comp       | 1    |                              |  |  |  |  |  |  |  |  |  |  |  |                 |  |
| CS-16 (1.5')          |  | 3/2/2023 |      | X    |       | Comp       | 1    |                              |  |  |  |  |  |  |  |  |  |  |  |                 |  |
| CS-17 (1.5')          |  | 3/2/2023 |      | X    |       | Comp       | 1    |                              |  |  |  |  |  |  |  |  |  |  |  |                 |  |
| SW-1 (4.5')           |  | 3/2/2023 |      | X    |       | Comp       | 1    |                              |  |  |  |  |  |  |  |  |  |  |  |                 |  |
| SW-2 (4.5')           |  | 3/2/2023 |      | X    |       | Comp       | 1    |                              |  |  |  |  |  |  |  |  |  |  |  |                 |  |
| SW-3 (4.5')           |  | 3/2/2023 |      | X    |       | Comp       | 1    |                              |  |  |  |  |  |  |  |  |  |  |  |                 |  |

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

|                                                                                   |  |           |  |                                                                                     |  |           |  |
|-----------------------------------------------------------------------------------|--|-----------|--|-------------------------------------------------------------------------------------|--|-----------|--|
| Relinquished by: (Signature)                                                      |  | Date/Time |  | Received by: (Signature)                                                            |  | Date/Time |  |
|  |  | 3/3/23    |  |  |  | 3/3/23    |  |

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- 14

Work Order No: 25419

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|                 |                       |                         |                                  |
|-----------------|-----------------------|-------------------------|----------------------------------|
| Project Manager | Conner Moehring       | Bill to: (if different) | Jacqui Harris                    |
| Company Name    | Carmona Resources     | Company Name            | COG                              |
| Address         | 310 W Wall St Ste 415 | Address                 | 15 W London Rd                   |
| City, State ZIP | Midland, TX 79701     | City, State ZIP         | Loving, NM 88258                 |
| Phone           | 432-813-6823          | Email                   | jacqui.harris@conocophillips.com |

|                     |                                    |                                      |                                   |
|---------------------|------------------------------------|--------------------------------------|-----------------------------------|
| Work Order Comments |                                    |                                      |                                   |
| Program: UST/PST    | <input type="checkbox"/> PRP       | <input type="checkbox"/> Brownfields | <input type="checkbox"/> RRC      |
| State of Project:   | <input type="checkbox"/> Level II  | <input type="checkbox"/> Level III   | <input type="checkbox"/> ST/UST   |
| Reporting Level II  | <input type="checkbox"/> Level III | <input type="checkbox"/> ST/UST      | <input type="checkbox"/> RRP      |
| Deliverables: EDD   | <input type="checkbox"/> ADAPT     | <input type="checkbox"/> Other       | <input type="checkbox"/> Level IV |

|                      |                                     |             |                                  |                                          |            |                  |  |  |  |  |  |  |  |  |  |  |  |                    |                                                                 |                           |
|----------------------|-------------------------------------|-------------|----------------------------------|------------------------------------------|------------|------------------|--|--|--|--|--|--|--|--|--|--|--|--------------------|-----------------------------------------------------------------|---------------------------|
| Project Name         | Road Runner Fed Com 023H (12 16.22) | Turn Around | <input type="checkbox"/> Routine | <input checked="" type="checkbox"/> Rush | Pres. Code | ANALYSIS REQUEST |  |  |  |  |  |  |  |  |  |  |  | Preservative Codes |                                                                 |                           |
| Project Number       | 1212                                | Due Date    |                                  |                                          |            |                  |  |  |  |  |  |  |  |  |  |  |  |                    | None NO                                                         | DI Water H <sub>2</sub> O |
| Project Location     | Eddy County, New Mexico             | 24 Hrs      |                                  |                                          |            |                  |  |  |  |  |  |  |  |  |  |  |  |                    | Cool Cool                                                       | MeOH Me                   |
| Sampler's Name       | CRM                                 |             |                                  |                                          |            |                  |  |  |  |  |  |  |  |  |  |  |  |                    | HCL HC                                                          | HNO <sub>3</sub> HN       |
| PO #:                |                                     |             |                                  |                                          |            |                  |  |  |  |  |  |  |  |  |  |  |  |                    | H <sub>2</sub> SO <sub>4</sub> H <sub>2</sub>                   | NaOH Na                   |
| SAMPLE RECEIPT       | Temp Blank:                         | Yes No      | Thermometer ID                   | Yes No                                   | Wet Ice    | Yes No           |  |  |  |  |  |  |  |  |  |  |  |                    | H <sub>3</sub> PO <sub>4</sub> HP                               |                           |
| Received Intact:     | Yes No                              |             | Correction Factor                |                                          |            |                  |  |  |  |  |  |  |  |  |  |  |  |                    | NaHSO <sub>4</sub> NABIS                                        |                           |
| Cooler Custody Seals | Yes No N/A                          |             | Temperature Reading              |                                          |            |                  |  |  |  |  |  |  |  |  |  |  |  |                    | Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> NaSO <sub>3</sub> |                           |
| Sample Custody Seals | Yes No N/A                          |             | Corrected Temperature            |                                          |            |                  |  |  |  |  |  |  |  |  |  |  |  |                    | Zn Acetate+NaOH Zn                                              |                           |
| Total Containers     |                                     |             |                                  |                                          |            |                  |  |  |  |  |  |  |  |  |  |  |  |                    | NaOH+Ascorbic Acid: SAPC                                        |                           |

| Sample Identification | Date     | Time | Soil | Water | Grab/Comp | # of Cont | Parameters                   |  |  |  |  |  |  |  |  |  |  |  | Sample Comments |  |
|-----------------------|----------|------|------|-------|-----------|-----------|------------------------------|--|--|--|--|--|--|--|--|--|--|--|-----------------|--|
| SW-4 (4.5')           | 3/2/2023 |      | X    |       | Comp      | 1         | BTEX 8021B                   |  |  |  |  |  |  |  |  |  |  |  |                 |  |
| SW-5 (4.5')           | 3/2/2023 |      | X    |       | Comp      | 1         | TPH 8015M ( GRO + DRO + MRO) |  |  |  |  |  |  |  |  |  |  |  |                 |  |
| SW-6 (4.5')           | 3/2/2023 |      | X    |       | Comp      | 1         | Chloride 300.0               |  |  |  |  |  |  |  |  |  |  |  |                 |  |
| SW-7 (4.5')           | 3/2/2023 |      | X    |       | Comp      | 1         |                              |  |  |  |  |  |  |  |  |  |  |  |                 |  |
| SW-8 (1.5')           | 3/2/2023 |      | X    |       | Comp      | 1         |                              |  |  |  |  |  |  |  |  |  |  |  |                 |  |
| SW-9 (1.5')           | 3/2/2023 |      | X    |       | Comp      | 1         |                              |  |  |  |  |  |  |  |  |  |  |  |                 |  |
| SW-10 (1.5')          | 3/2/2023 |      | X    |       | Comp      | 1         |                              |  |  |  |  |  |  |  |  |  |  |  |                 |  |
| SW-11 (1.5')          | 3/2/2023 |      | X    |       | Comp      | 1         |                              |  |  |  |  |  |  |  |  |  |  |  |                 |  |
| SW-12 (1.5')          | 3/2/2023 |      | X    |       | Comp      | 1         |                              |  |  |  |  |  |  |  |  |  |  |  |                 |  |
| SW-13 (1.5')          | 3/2/2023 |      | X    |       | Comp      | 1         |                              |  |  |  |  |  |  |  |  |  |  |  |                 |  |

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

|                              |           |                          |           |
|------------------------------|-----------|--------------------------|-----------|
| Relinquished by: (Signature) | Date/Time | Received by: (Signature) | Date/Time |
|                              | 3/2/23    |                          | 3/2/23    |

Work Order No: 25412

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[illegible]

## Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-25412-1

SDG Number: Eddy County, New Mexico

Login Number: 25412

List Number: 1

List Source: Eurofins Midland

Creator: Rodriguez, Leticia

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present.                                                                  | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information.                                | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

CONDITIONS  
  
Action 200887

CONDITIONS

|                                                                           |                                                           |
|---------------------------------------------------------------------------|-----------------------------------------------------------|
| Operator:<br>COG OPERATING LLC<br>600 W Illinois Ave<br>Midland, TX 79701 | OGRID:<br>229137                                          |
|                                                                           | Action Number:<br>200887                                  |
|                                                                           | Action Type:<br>[C-141] Release Corrective Action (C-141) |

CONDITIONS

|            |                                                |                |
|------------|------------------------------------------------|----------------|
| Created By | Condition                                      | Condition Date |
| jharimon   | must meet all requirements of 19.15.29.13 NMAC | 8/15/2023      |