

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>Patricia Espinoza</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Date: _____      |
| email: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Telephone: _____ |
| <b><u>OCD Only</u></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |
| Received by: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Date: _____      |

# L48 Spill Volume Estimate Form

Received by OCD: 4/29/2024 8:57:13 AM

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|                                            |                           |
|--------------------------------------------|---------------------------|
| Facility Name & Number:                    | Copper 31 Fed1H           |
| Asset Area:                                | L-48                      |
| Release Discovery Date & Time:             | 9/27/2022                 |
| Release Type:                              |                           |
| Provide any known details about the event: | disposal water line break |

## Spill Calculation - Subsurface Spill - Rectangle

|                                                          |                           |
|----------------------------------------------------------|---------------------------|
| Was the release on pad or off-pad?                       | See reference table below |
| Has it rained at least a half inch in the last 24 hours? | See reference table below |

| Convert Irregular shape into a series of rectangles | Length (ft.) | Width (ft.) | Depth (in.) | Soil Spilled-Fluid Saturation | Estimated volume of each area (bbl.) | Total Estimated Volume of Spill (bbl.) |
|-----------------------------------------------------|--------------|-------------|-------------|-------------------------------|--------------------------------------|----------------------------------------|
| Rectangle A                                         | 12.0         | 45.0        | 3.00        | 13.63%                        | 24.030                               | 3.275                                  |
| Rectangle B                                         | 45.0         | 12.0        | 3.00        | 13.63%                        | 24.030                               | 3.275                                  |
| Rectangle C                                         | 114.0        | 12.0        | 3.00        | 13.63%                        | 60.876                               | 8.297                                  |
| Rectangle D                                         | 45.0         | 45.0        | 3.00        | 13.63%                        | 90.113                               | 12.282                                 |
| Rectangle E                                         |              |             |             |                               | 0.000                                | 0.000                                  |
| Rectangle F                                         |              |             |             |                               | 0.000                                | 0.000                                  |
| Rectangle G                                         |              |             |             |                               | 0.000                                | 0.000                                  |
| Rectangle H                                         |              |             |             |                               | 0.000                                | 0.000                                  |
| Rectangle I                                         |              |             |             |                               | 0.000                                | 0.000                                  |
| Rectangle J                                         |              |             |             |                               | 0.000                                | 0.000                                  |

Released to Imaging: 5/1/2024 2:24:37 PM

Total Volume Release: 27.130

CARMONA RESOURCES



## SITE INFORMATION

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**Deferment Report**  
**Cooper 31 Federal Com 001H (09.27.22)**  
**Incident #NAPP2228439685**  
**Eddy County, New Mexico**  
**Unit A Sec 31 T25S R29E**  
**32.09208°, -104.01663°**

**Produced Water Release**  
**Point of Release: Water Line Break**  
**Release Date: 09.27.2022**  
**Volume Released: 427 Barrels of Produced Water**  
**Volume Recovered: 400 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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**APPENDIX E                      LABORATORY REPORTS**



April 19, 2024

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

**Re: Deferment Report**  
**Cooper 31 Federal Com 001H (09.27.22)**  
**Concho Operating, LLC**  
**Site Location: Unit A, S31, T25S, R29E**  
**(Lat 32.09208°, Long -104.01663°)**  
**Eddy County, New Mexico**

Mr. Bratcher:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site activities for the Cooper 31 Federal Com 001H (09.27.22). The site is located at 32.09208°, -104.01663° within Unit A, S31, T25S, R29E, 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 September 27, 2022, from a water line break due to corrosion. It resulted in the release of four-hundred-and-twenty-seven (427) barrels of produced water, and four hundred (400) barrels of produced water were recovered. Refer to Figure 3. The initial C-141 form is attached in Appendix C.

On November 3, 2023, the New Mexico OCD Denied the closure report for the following reasons:

- Deferral denied. Per 19.15.29.12(C)2 NMAC, a "deferral may be granted so long as the contamination is fully delineated and does not cause an imminent risk to human health, the environment, or groundwater." The area requested for deferral has not been fully delineated vertically or horizontally. After full delineation complete, resubmit deferral request or closure report by 2/1/2024.

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

The site is located within a medium karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there is no known water source within a 0.50-mile radius of the location. The nearest identified well is located approximately 0.70 miles east of the site in S32, T25S, R29E and was drilled in 1992. The well has a reported depth to groundwater of 98.13' below ground surface (ft bgs). A copy of the associated Point of Diversion Summary report is attached in Appendix D.

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



On January 17, 2023, Scarborough Drilling, Inc. was onsite to drill a groundwater determination bore to 55' below ground surface and within a 0.50-mile radius of the location. The bore was left open for 72 hours and tagged with a water level meter. No water was detected at 55' below the surface. The coordinates for the groundwater determination bore are 32.091858°, -104.017397°. See Appendix D for the drilling log and placement of the bore.

### **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: 2,500 mg/kg (GRO + DRO + MRO).
- TPH: 1,000 mg/kg (GRO + DRO).
- Chloride: 10,000 mg/kg.

### **4.0 Site Assessment Activities**

#### **Horizontal Sampling**

On October 12, 2022, Carmona Resources, LLC performed site assessment activities to evaluate the horizontal extent of the soil impacts stemming from the release. Seven (7) horizontal sample points were advanced to depths ranging from the surface to 0.5' bgs surrounding the release area. See Figure 3 for the soil 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. Refer to Table 1.

#### **Drilling**

On January 17, 2023, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts from the release. Four (4) boreholes were advanced to depths ranging from the surface to 45' bgs inside and surrounding the release area to evaluate the vertical extent. See Figure 3 for the soil 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. Refer to Table 1.

### **5.0 Remediation Activities**

Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via email on April 21, 2023, per Subsection D of 19.15.29.12



NMAC. See Appendix C. The area of BH-3 was excavated to a depth of 1.5' below the surface, and the area of BH-4 was excavated to a depth of 6.5' below the surface to remove all the impacted soils. A total of nine (9) floor confirmation samples were collected (CS-1 through CS-9), and ten (10) sidewall samples (SW-1 through SW-10) 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. Refer to Table 2.

All final confirmation samples were below the regulatory requirements for TPH, BTEX, and chloride except for confirmation samples (CS-1, CS-1, and CS-3), which showed elevated chloride ranging from 11,200 mg/kg to 20,800 mg/kg. Confirmation samples (CS-1, CS-2, and CS-3) were excavated another 0.25' below the surface to remove contaminated soil. Refer to Table 2.

#### Recent Activity

On December 6, 2023, Carmona Resources personnel were onsite to assess the NMOCD's request for vertical and horizontal delineation in the area of deferment. One (1) sample point (S-1) was advanced inside the deferment area to depths ranging from surface to 5' bgs for vertical delineation. Three (3) horizontal samples (H-8 through H-10) were advanced along the perimeter of the deferment area to depths ranging from surface to 0.5' bgs for horizontal delineation. See Figure 3 for the sample locations.

Vertical and horizontal delineation was achieved for all sample locations in the deferment area. The area of S-1 was vertically delineated at a depth of 4' bgs. The areas of H-8 through H-10 were horizontally delineated at 0-0.5' bgs. Refer to Table 1.

#### Deferral Area

Sidewall samples (SW-1 and SW-4) showed high chloride concentrations of 23,200 mg/kg and 18,000 mg/kg. Refer to Table 2. The deferment sidewalls that are still above the regulatory limits are shown in Figure 5. Once the equipment is removed, those areas will be evaluated further.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 144 cubic yards of material were excavated and transported offsite for proper disposal.

#### 6.0 Conclusions

Based on the area, safety, and active facility equipment, COG requests to defer the chloride impact from the area near the facility equipment (surface lines) until the surface lines are removed. If you have any questions regarding this report or need additional information, please contact us at 432-813-1992.

Sincerely,

**Carmona Resources, LLC**

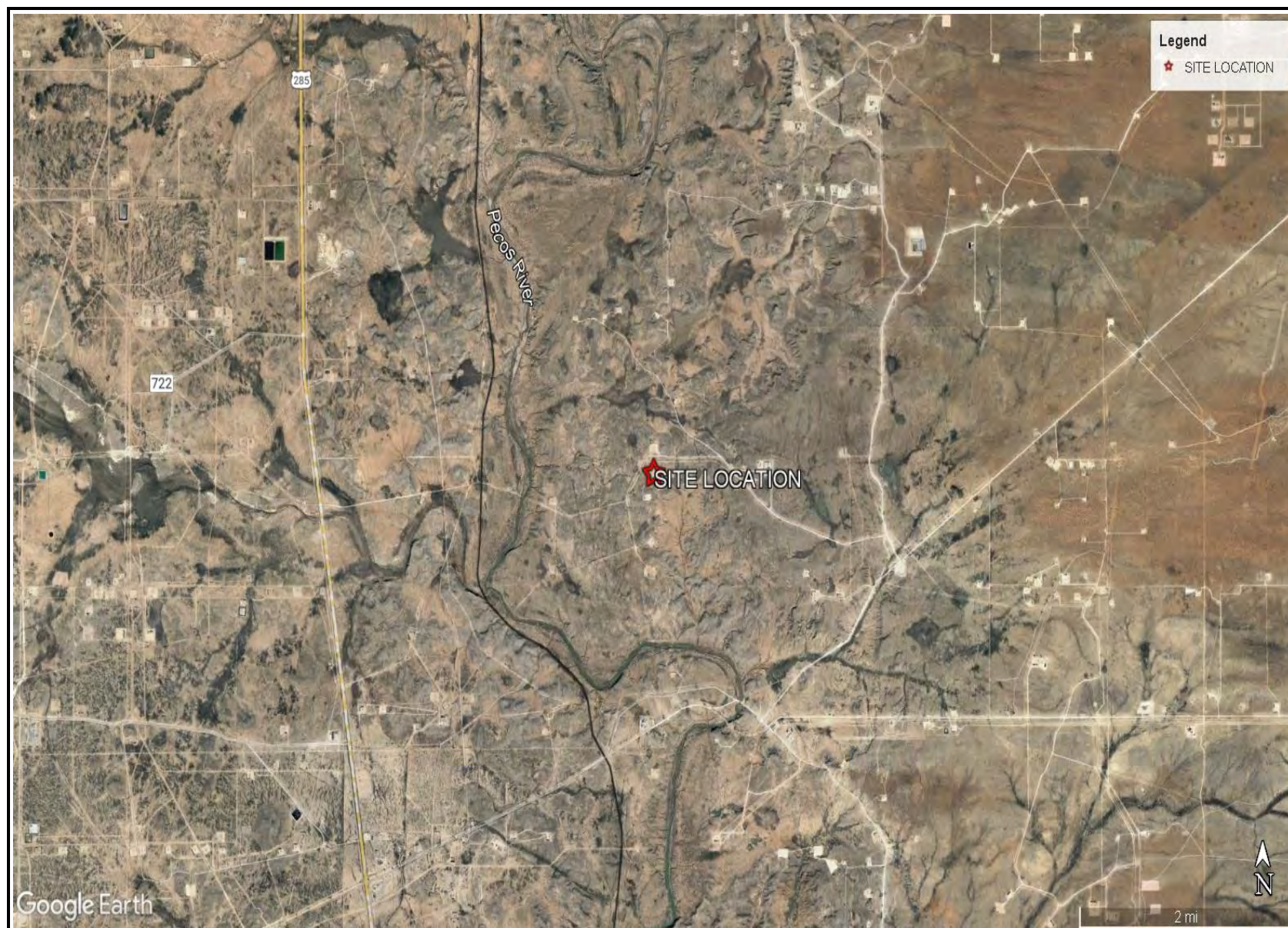
Mike Carmona  
Environmental Manager

Conner Moehring  
Sr. Project Manager

## FIGURES

CARMONA RESOURCES

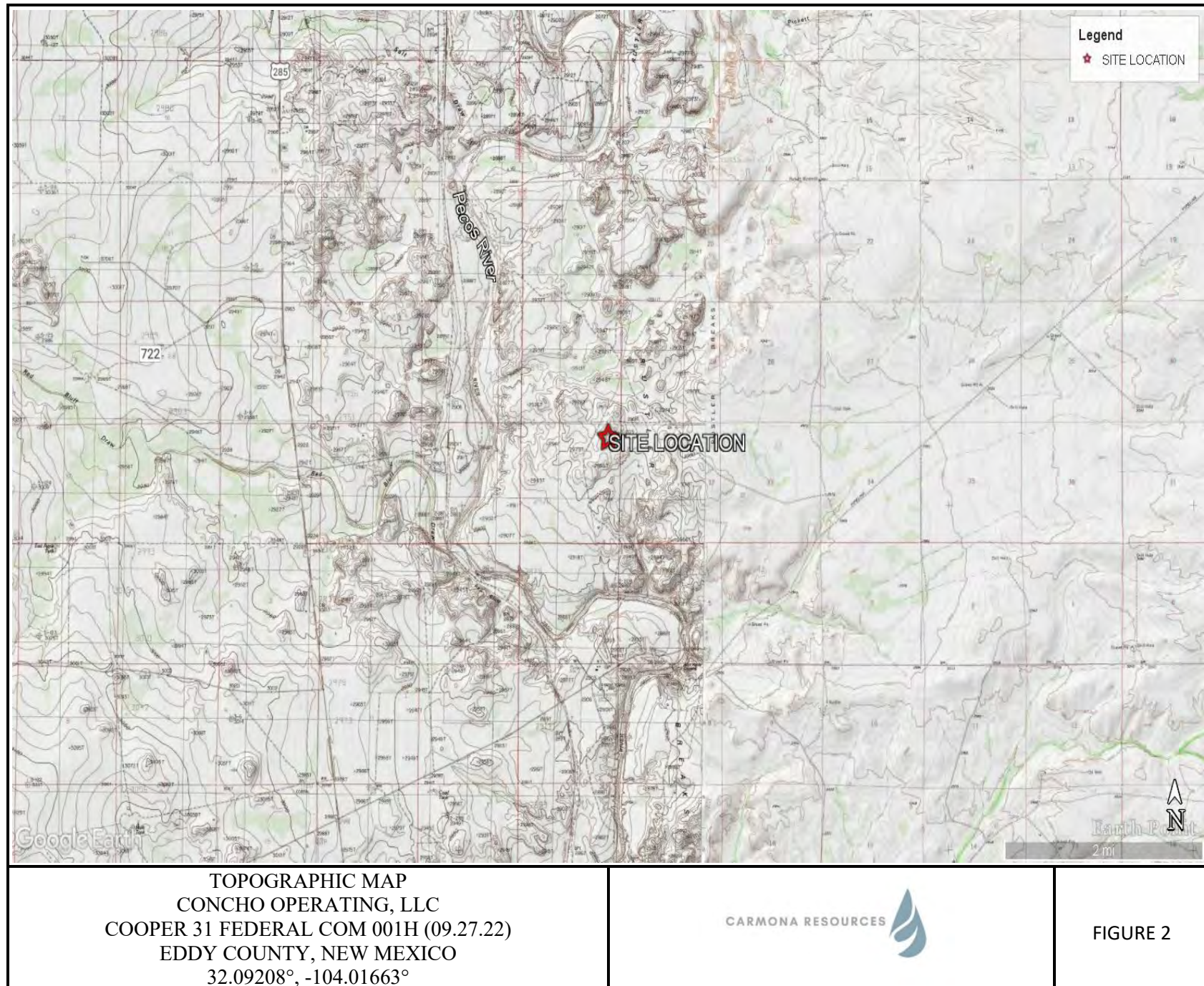


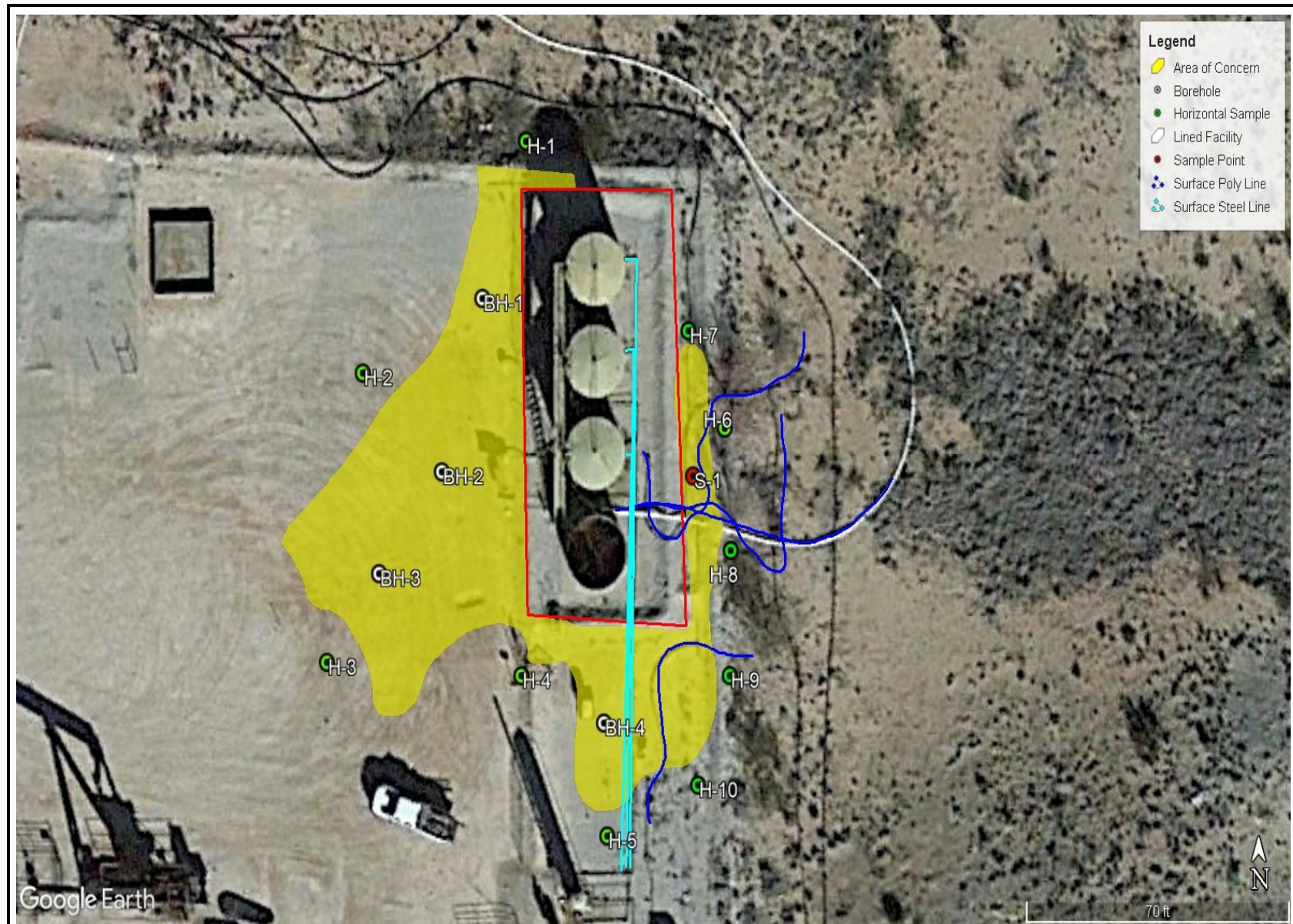


OVERVIEW MAP  
CONCHO OPERATING, LLC  
COOPER 31 FEDERAL COM 001H (09.27.22)  
EDDY COUNTY, NEW MEXICO  
32.09208°, -104.01663°



FIGURE 1

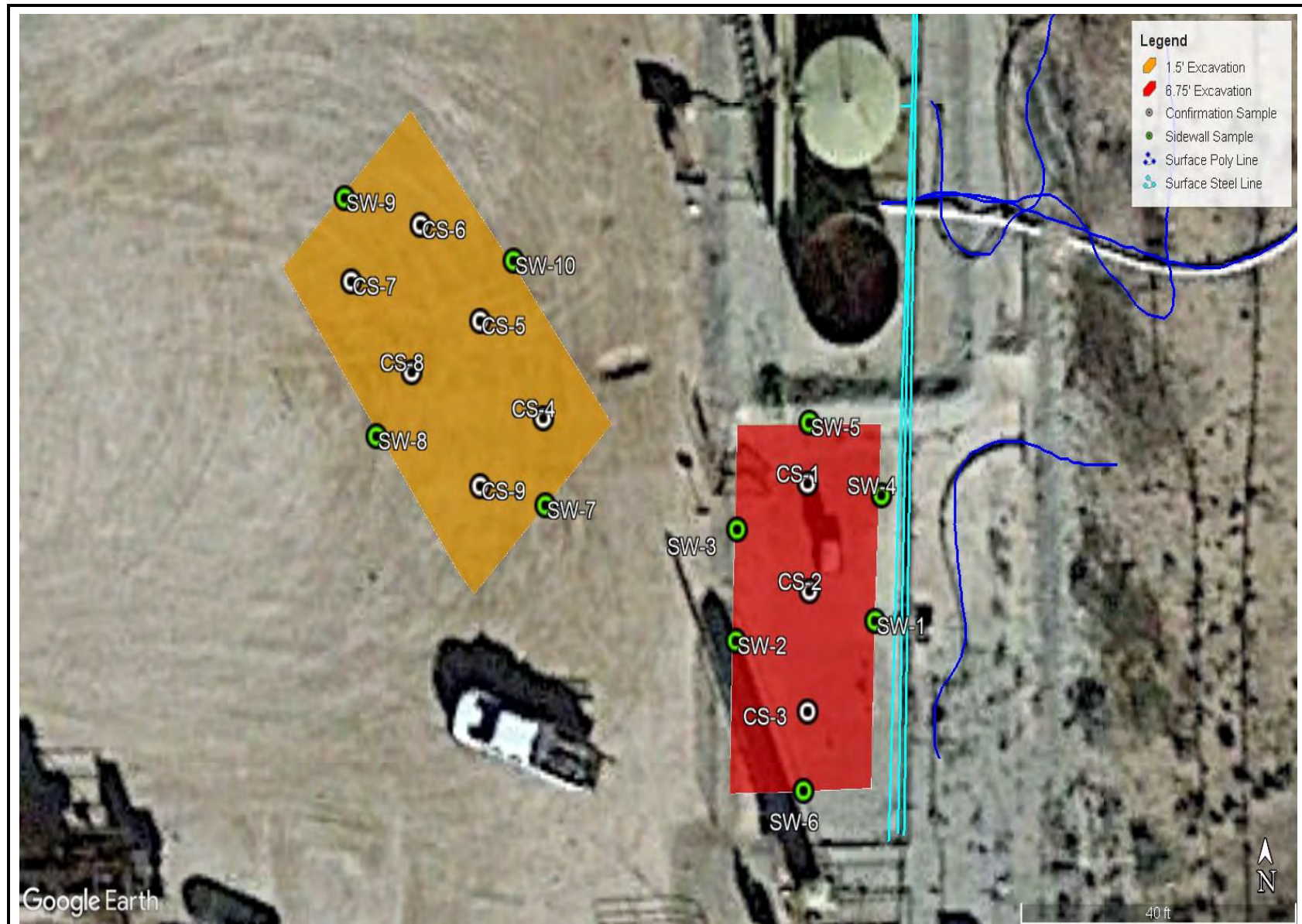




SAMPLE LOCATION MAP  
 CONCHO OPERATING, LLC  
 COOPER 31 1H (09.26.22)  
 EDDY COUNTY, NEW MEXICO  
 32.092034°, -104.016615°



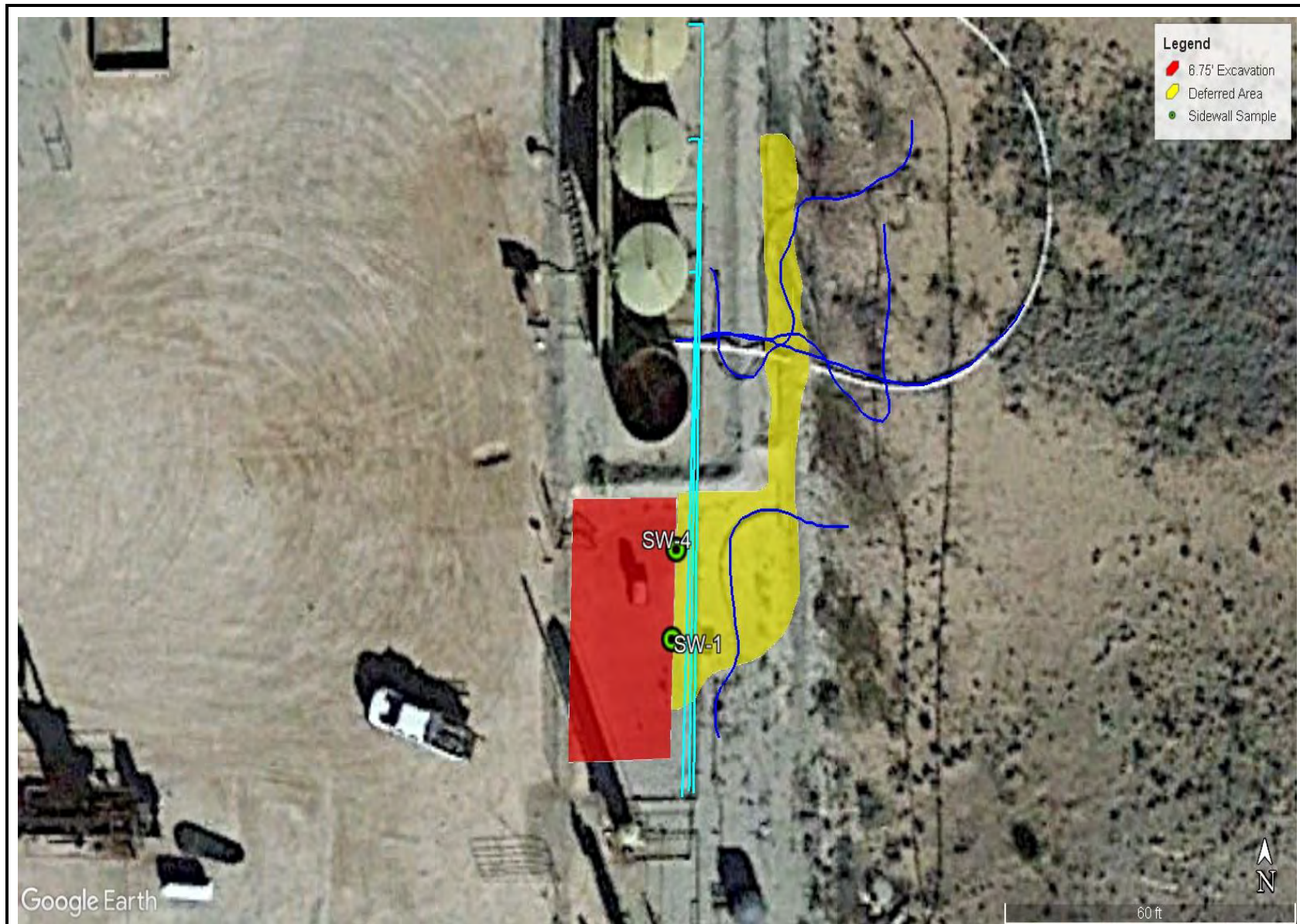
FIGURE 3



EXCAVATION MAP  
CONCHO OPERATING, LLC  
COOPER 31 1H (09.26.22)  
EDDY COUNTY, NEW MEXICO  
32.09208°, -104.01663°



FIGURE 4



DEFERRAL MAP  
CONCHO OPERATING, LLC  
COOPER 31 1H (09.26.22)  
EDDY COUNTY, NEW MEXICO  
32.09208°, -104.01663°



FIGURE 5

## APPENDIX A

CARMONA RESOURCES



**Table 1**  
**COG**  
**Cooper 31 Federal Com 001H (09.27.22)**  
**Eddy County, New Mexico**

| Sample ID                              | Date      | Depth (ft) | TPH (mg/kg)        |       |       |                    | Benzene (mg/kg) | Toluene (mg/kg) | Ethlybenzene (mg/kg) | Xylene (mg/kg) | Total BTEX (mg/kg) | Chloride (mg/kg)    |
|----------------------------------------|-----------|------------|--------------------|-------|-------|--------------------|-----------------|-----------------|----------------------|----------------|--------------------|---------------------|
|                                        |           |            | GRO                | DRO   | MRO   | Total              |                 |                 |                      |                |                    |                     |
| <b>BH-1</b>                            | 1/17/2023 | 0-1        | <50.0              | <50.0 | <50.0 | <50.0              | <0.00201        | <0.00201        | <0.00201             | <0.00402       | <0.00402           | 4,730               |
|                                        | "         | 2-3        | <49.9              | <49.9 | <49.9 | <49.9              | <0.00202        | <0.00202        | <0.00202             | <0.00404       | <0.00404           | 5,530               |
|                                        | "         | 4-5        | <50.0              | <50.0 | <50.0 | <50.0              | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 8,540               |
|                                        | "         | 6-7        | <50.0              | <50.0 | <50.0 | <50.0              | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 8,640               |
|                                        | "         | 9-10       | <49.9              | <49.9 | <49.9 | <49.9              | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 7,570               |
|                                        | "         | 11-12      | <49.9              | <49.9 | <49.9 | <49.9              | <0.00200        | <0.00200        | <0.00200             | <0.00401       | <0.00401           | 7,070               |
|                                        | "         | 14-15      | <49.8              | <49.8 | <49.8 | <49.8              | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 6,410               |
|                                        | "         | 20         | <49.9              | <49.9 | <49.9 | <49.9              | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 4,430               |
|                                        | "         | 25         | <49.9              | <49.9 | <49.9 | <49.9              | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 3,560               |
|                                        | "         | 30         | <49.9              | <49.9 | <49.9 | <49.9              | <0.00201        | <0.00201        | <0.00201             | <0.00402       | <0.00402           | 1,770               |
|                                        | "         | 35         | <49.9              | <49.9 | <49.9 | <49.9              | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 1,100               |
|                                        | "         | 40         | <50.0              | <50.0 | <50.0 | <50.0              | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 24.6                |
| <b>BH-2</b>                            | 1/17/2023 | 0-1        | <50.0              | <50.0 | <50.0 | <50.0              | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 4,070               |
|                                        | "         | 2-3        | <50.0              | <50.0 | <50.0 | <50.0              | <0.00201        | <0.00201        | <0.00201             | <0.00402       | <0.00402           | 3,110               |
|                                        | "         | 4-5        | <49.9              | <49.9 | <49.9 | <49.9              | <0.00200        | <0.00200        | <0.00200             | <0.00401       | <0.00402           | 857                 |
|                                        | "         | 6-7        | <49.9              | <49.9 | <49.9 | <49.9              | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 1,160               |
|                                        | "         | 9-10       | <49.9              | <49.9 | <49.9 | <49.9              | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 744                 |
|                                        | "         | 11-12      | <49.9              | <49.9 | <49.9 | <49.9              | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 678                 |
|                                        | "         | 14-15      | <49.9              | <49.9 | <49.9 | <49.9              | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 693                 |
|                                        | "         | 20         | <50.0              | <50.0 | <50.0 | <50.0              | <0.00200        | <0.00200        | <0.00200             | <0.00401       | <0.00401           | 764                 |
|                                        | "         | 25         | <50.0              | <50.0 | <50.0 | <50.0              | <0.00200        | <0.00200        | <0.00200             | <0.00401       | <0.00401           | 683                 |
|                                        | "         | 30         | <49.9              | <49.9 | <49.9 | <49.9              | <0.00202        | <0.00202        | <0.00202             | <0.00403       | <0.00403           | 587                 |
|                                        | "         | 35         | <50.0              | <50.0 | <50.0 | <50.0              | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 600                 |
|                                        | "         | 40         | <50.0              | <50.0 | <50.0 | <50.0              | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 35.8                |
| <b>Regulatory Criteria<sup>A</sup></b> |           |            | <b>1,000 mg/kg</b> |       |       | <b>2,500 mg/kg</b> | <b>10 mg/kg</b> | <b>-</b>        | <b>-</b>             | <b>-</b>       | <b>50 mg/kg</b>    | <b>10,000 mg/kg</b> |

(-) Not Analyzed

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

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft - feet

(BH) - Borehole

 Removed

**Table 1**  
**COG**  
**Cooper 31 Federal Com 001H (09.27.22)**  
**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              |                 |                 |                      |                |                    |                     |
| <b>BH-3</b>                            | 1/17/2023 | 0-1        | <49.9              | <49.9 | <49.9 | <49.9              | <0.00201        | <0.00201        | <0.00201             | <0.00402       | <0.00402           | <b>13,200</b>       |
|                                        | "         | 2-3        | <49.9              | <49.9 | <49.9 | <49.9              | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 3,050               |
|                                        | "         | 4-5        | <49.8              | <49.8 | <49.8 | <49.8              | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 2,220               |
|                                        | "         | 6-7        | <49.9              | <49.9 | <49.9 | <49.9              | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 579                 |
|                                        | "         | 9-10       | <49.9              | <49.9 | <49.9 | <49.9              | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 707                 |
|                                        | "         | 11-12      | <49.9              | <49.9 | <49.9 | <49.9              | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 64.4                |
| <b>BH-4</b>                            | 1/17/2023 | 0-1        | <49.9              | <49.9 | <49.9 | <49.9              | <0.00200        | <0.00200        | <0.00200             | <0.00401       | <0.00401           | <b>2,470</b>        |
|                                        | "         | 2-3        | <50.0              | <50.0 | <50.0 | <50.0              | <0.00202        | <0.00202        | <0.00202             | <0.00404       | <0.00404           | <b>5,510</b>        |
|                                        | "         | 4-5        | <50.0              | <50.0 | <50.0 | <50.0              | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | <b>11,900</b>       |
|                                        | "         | 6-7        | <50.0              | <50.0 | <50.0 | <50.0              | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 9,170               |
|                                        | "         | 9-10       | <49.9              | <49.9 | <49.9 | <49.9              | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 8,930               |
|                                        | "         | 11-12      | <49.9              | <49.9 | <49.9 | <49.9              | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 5,440               |
|                                        | "         | 14-15      | <49.9              | <49.9 | <49.9 | <49.9              | <0.00200        | <0.00200        | <0.00200             | <0.00401       | <0.00401           | 1,350               |
|                                        | "         | 20         | <49.9              | <49.9 | <49.9 | <49.9              | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 1,350               |
|                                        | "         | 25         | <49.9              | <49.9 | <49.9 | <49.9              | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 1,030               |
|                                        | "         | 30         | <50.0              | <50.0 | <50.0 | <50.0              | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 855                 |
|                                        | "         | 35         | <50.0              | <50.0 | <50.0 | <50.0              | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 794                 |
|                                        | "         | 40         | <49.9              | <49.9 | <49.9 | <49.9              | <0.00200        | <0.00200        | <0.00200             | <0.00401       | <0.00401           | 5,060               |
|                                        | "         | 45         | <50.0              | <50.0 | <50.0 | <50.0              | <0.00200        | <0.00200        | <0.00200             | <0.00400       | <0.00400           | 13.7                |
| <b>S-1</b>                             | 12/6/2023 | 0-1'       | <50.1              | <50.1 | <50.1 | <50.1              | <0.00201        | <0.00201        | <0.00201             | <0.00402       | <0.00402           | <b>12,900</b>       |
|                                        | "         | 1.5'       | <50.5              | <50.5 | <50.5 | <50.5              | <0.00200        | <0.00200        | <0.00200             | <0.00401       | <0.00401           | <b>10,400</b>       |
|                                        | "         | 2.0'       | <50.1              | <50.1 | <50.1 | <50.1              | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | <b>11,300</b>       |
|                                        | "         | 3.0'       | <50.2              | <50.2 | <50.2 | <50.2              | <0.00198        | <0.00198        | <0.00198             | <0.00396       | <0.00396           | <b>12,600</b>       |
|                                        | "         | 4.0'       | <50.4              | <50.4 | <50.4 | <50.4              | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 930                 |
|                                        | "         | 5.0'       | <50.5              | <50.5 | <50.5 | <50.5              | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 5.93                |
| <b>Regulatory Criteria<sup>A</sup></b> |           |            | <b>1,000 mg/kg</b> |       |       | <b>2,500 mg/kg</b> | <b>10 mg/kg</b> | -               | -                    | -              | <b>50 mg/kg</b>    | <b>10,000 mg/kg</b> |

(-) Not Analyzed

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

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft - feet

(BH) - Borehole

(S) - Sample Point

 Removed

 Deferred

**Table 1**  
**COG**  
**Cooper 31 Federal Com 001H (09.27.22)**  
**Eddy County, New Mexico**

| Sample ID                        | Date       | Depth (ft) | TPH (mg/kg) |       |       |             | Benzene (mg/kg) | Toluene (mg/kg) | Ethlybenzene (mg/kg) | Xylene (mg/kg) | Total BTEX (mg/kg) | Chloride (mg/kg) |
|----------------------------------|------------|------------|-------------|-------|-------|-------------|-----------------|-----------------|----------------------|----------------|--------------------|------------------|
|                                  |            |            | GRO         | DRO   | MRO   | Total       |                 |                 |                      |                |                    |                  |
| H-1                              | 10/12/2022 | 0-0.5      | <49.8       | <49.8 | <49.8 | <49.8       | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 20.9             |
| H-2                              | 10/12/2022 | 0-0.5      | <49.8       | <49.8 | <49.8 | <49.8       | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 37.9             |
| H-3                              | 10/12/2022 | 0-0.5      | <49.9       | <49.9 | <49.9 | <49.9       | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 19.4             |
| H-4                              | 10/12/2022 | 0-0.5      | <49.8       | <49.8 | <49.8 | <49.8       | <0.00201        | <0.00201        | <0.00201             | <0.00402       | <0.00402           | 19.9             |
| H-5                              | 10/12/2022 | 0-0.5      | <49.9       | <49.9 | <49.9 | <49.9       | <0.00200        | <0.00200        | <0.00200             | <0.00401       | <0.00401           | 34.4             |
| H-6                              | 10/12/2022 | 0-0.5      | <49.9       | <49.9 | <49.9 | <49.9       | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 33.7             |
| H-7                              | 10/12/2022 | 0-0.5      | <49.9       | <49.9 | <49.9 | <49.9       | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 18.7             |
| H-8                              | 12/6/2023  | 0-0.5'     | <49.9       | <49.9 | <49.9 | <49.9       | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 7.40             |
| H-9                              | 12/6/2023  | 0-0.5'     | <50.0       | <50.0 | <50.0 | <50.0       | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 47.3             |
| H-10                             | 12/6/2023  | 0-0.5'     | <50.0       | <50.0 | <50.0 | <50.0       | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 168              |
| Background - 1                   | 10/12/2022 | 0-0.5      | <50.0       | <50.0 | <50.0 | <50.0       | <0.00201        | <0.00201        | <0.00201             | <0.00402       | <0.00402           | 17.5             |
| Regulatory Criteria <sup>A</sup> |            |            | 1,000 mg/kg |       |       | 2,500 mg/kg | 10 mg/kg        | -               | -                    | -              | 50 mg/kg           | 10,000 mg/kg     |

(-) Not Analyzed

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

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft - feet

(H) - Horizontal Sample

**Table 2**  
**Conoco Phillips**  
**Cooper 31 Federal Com 001H (09.27.22)**  
**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                             | 4/28/2023 | 6.5        | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 14,000           |
|                                  | 5/2/2023  | 6.75       | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 5,680            |
| CS-2                             | 4/28/2023 | 6.5        | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 20,800           |
|                                  | 5/2/2023  | 6.75       | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 6,560            |
| CS-3                             | 4/28/2023 | 6.5        | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 11,200           |
|                                  | 5/2/2023  | 6.75       | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 6,080            |
| CS-4                             | 4/28/2023 | 1.5        | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 2,800            |
| CS-5                             | 4/28/2023 | 1.5        | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 2,800            |
| CS-6                             | 4/28/2023 | 1.5        | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 1,440            |
| CS-7                             | 4/28/2023 | 1.5        | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 1,790            |
| CS-8                             | 4/28/2023 | 1.5        | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 1,880            |
| CS-9                             | 4/28/2023 | 1.5        | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 1,010            |
| SW-1                             | 4/28/2023 | 6.5        | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 23,200           |
| SW-2                             | 4/28/2023 | 6.5        | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 32.0             |
| SW-3                             | 4/28/2023 | 6.5        | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 16.0             |
| SW-4                             | 4/28/2023 | 6.5        | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 18,800           |
| SW-5                             | 4/28/2023 | 6.5        | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 10,000           |
| SW-6                             | 4/28/2023 | 6.5        | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 10,000           |
| SW-7                             | 4/28/2023 | 1.5        | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 32.0             |
| SW-8                             | 4/28/2023 | 1.5        | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 16.0             |
| SW-9                             | 4/28/2023 | 1.5        | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | <16.0            |
| SW-10                            | 4/28/2023 | 1.5        | <10.0       | <10.0 | <10.0 | <10.0       | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | <16.0            |
| Regulatory Criteria <sup>A</sup> |           |            | 1,000 mg/kg |       |       | 2,500 mg/kg | 10 mg/kg        | -               | -                    | -              | 50 mg/kg           | 10,000 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

 Removed  
 Deferred

## APPENDIX B

CARMONA RESOURCES



**PHOTOGRAPHIC LOG**

Concho Operating, LLC

**Photograph No. 1**

**Facility:** Cooper 31 Federal Com 001H  
(09.27.22)

**County:** Eddy County, New Mexico

**Description:**

View Southwest, area of CS-1 through CS-3.

**Photograph No. 2**

**Facility:** Cooper 31 Federal Com 001H  
(09.27.22)

**County:** Eddy County, New Mexico

**Description:**

View North, area of CS-1 through CS-3.

**Photograph No. 3**

**Facility:** Cooper 31 Federal Com 001H  
(09.27.22)

**County:** Eddy County, New Mexico

**Description:**

View South, area of CS-4 through CS-9.



**PHOTOGRAPHIC LOG****Concho Operating, LLC****Photograph No. 4****Facility:** Cooper 31 Federal Com 001H  
(09.27.22)**County:** Eddy County, New Mexico**Description:**

View Northwest, area of CS-4 through CS-9.



## 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: <u>Jocelyn Harimon</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Date: <u>10/11/2022</u> |

## L48 Spill Volume Estimate Form

Received by OCD: 4/29/2024 8:57:13 AM

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|                                            |                           |
|--------------------------------------------|---------------------------|
| Facility Name & Number:                    | Copper 31 Fed1H           |
| Asset Area:                                | L-48                      |
| Release Discovery Date & Time:             | 9/27/2022                 |
| Release Type:                              |                           |
| Provide any known details about the event: | disposal water line break |

## Spill Calculation - Subsurface Spill - Rectangle

| Was the release on pad or off-pad?                       |              |             |             | See reference table below     |                                      |                                        |
|----------------------------------------------------------|--------------|-------------|-------------|-------------------------------|--------------------------------------|----------------------------------------|
| Has it rained at least a half inch in the last 24 hours? |              |             |             | See reference table below     |                                      |                                        |
| Convert Irregular shape into a series of rectangles      | Length (ft.) | Width (ft.) | Depth (in.) | Soil Spilled-Fluid Saturation | Estimated volume of each area (bbl.) | Total Estimated Volume of Spill (bbl.) |
| Rectangle A                                              | 12.0         | 45.0        | 3.00        | 13.63%                        | 24.030                               | 3.275                                  |
| Rectangle B                                              | 45.0         | 12.0        | 3.00        | 13.63%                        | 24.030                               | 3.275                                  |
| Rectangle C                                              | 114.0        | 12.0        | 3.00        | 13.63%                        | 60.876                               | 8.297                                  |
| Rectangle D                                              | 45.0         | 45.0        | 3.00        | 13.63%                        | 90.113                               | 12.282                                 |
| Rectangle E                                              |              |             |             |                               | 0.000                                | 0.000                                  |
| Rectangle F                                              |              |             |             |                               | 0.000                                | 0.000                                  |
| Rectangle G                                              |              |             |             |                               | 0.000                                | 0.000                                  |
| Rectangle H                                              |              |             |             |                               | 0.000                                | 0.000                                  |
| Rectangle I                                              |              |             |             |                               | 0.000                                | 0.000                                  |
| Rectangle J                                              |              |             |             |                               | 0.000                                | 0.000                                  |
| Total Volume Release:                                    |              |             |             |                               |                                      | 27.130                                 |

Released to Imaging: 5/1/2024 2:24:37 PM

**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 150145

CONDITIONS

|                                                                           |                                                           |
|---------------------------------------------------------------------------|-----------------------------------------------------------|
| Operator:<br>COG OPERATING LLC<br>600 W Illinois Ave<br>Midland, TX 79701 | OGRID:<br>229137                                          |
|                                                                           | Action Number:<br>150145                                  |
|                                                                           | Action Type:<br>[C-141] Release Corrective Action (C-141) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|-----------|----------------|
| jharimon   | None      | 10/13/2022     |

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

## Remediation Plan

**Remediation Plan Checklist:** *Each of the following items must be included in the plan.*

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

**Deferral Requests Only:** *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: Jacqui Harris Date: \_\_\_\_\_  
email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

---

**From:** Enviro, OCD, EMNRD  
**Sent:** Friday, April 21, 2023 5:20 PM  
**To:** Mike Carmona  
**Cc:** Bratcher, Michael, EMNRD; Hamlet, Robert, EMNRD  
**Subject:** RE: [EXTERNAL] COG Cooper 31 Federal Com 001H - Sampling Notification - Incident No. NAPP2228439685

Mike,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

JH

**Jocelyn Harimon** • Environmental Specialist  
Environmental Bureau  
EMNRD - Oil Conservation Division  
1220 South St. Francis Drive | Santa Fe, NM 87505  
(505)469-2821 | [Jocelyn.Harimon@emnrd.nm.gov](mailto:Jocelyn.Harimon@emnrd.nm.gov)  
[http:// www.emnrd.nm.gov](http://www.emnrd.nm.gov)



---

**From:** Mike Carmona <[Mcarmona@carmonaresources.com](mailto:Mcarmona@carmonaresources.com)>  
**Sent:** Friday, April 21, 2023 7:58 AM  
**To:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>  
**Cc:** Conner Moehring <[Cmoehring@carmonaresources.com](mailto:Cmoehring@carmonaresources.com)>; Harris, Jacqui <[Jacqui.Harris@conocophillips.com](mailto:Jacqui.Harris@conocophillips.com)>; Clint Merritt <[MerrittC@carmonaresources.com](mailto:MerrittC@carmonaresources.com)>  
**Subject:** [EXTERNAL] COG Cooper 31 Federal Com 001H - Sampling Notification - Incident No. NAPP2228439685

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good Morning,

This email serves as a notification for confirmation sampling on the COG Cooper 31 Federal Com 001H. Sampling is scheduled to begin as early as Wednesday, April 26, 2023. Carmona Resources personnel will be on-site to collect the confirmation samples.

COG Cooper 31 Federal Com 001H  
Incident No. NAPP2228439685

Mike J. Carmona  
310 West Wall Street, Suite 500  
Midland TX, 79701  
M: 432-813-1992  
[Mcarmona@carmonaresources.com](mailto:Mcarmona@carmonaresources.com)



## APPENDIX D

CARMONA RESOURCES



Groundwater

Determination Bore Map

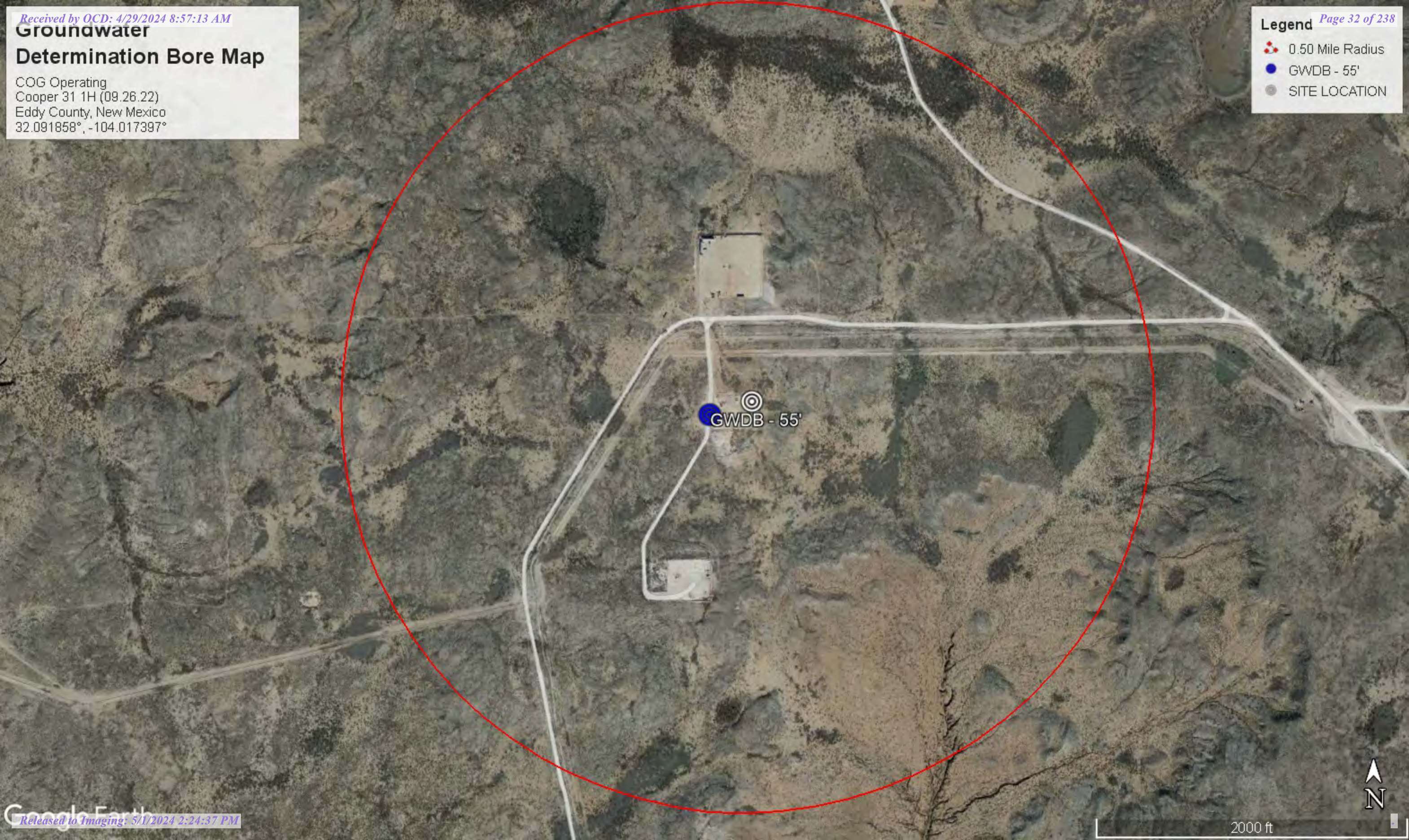
COG Operating  
Cooper 31 1H (09.26.22)  
Eddy County, New Mexico  
32.091858°, -104.017397°

Legend

0.50 Mile Radius

GWDB - 55'

SITE LOCATION



2000 ft

N



|                |                             |           |                           |
|----------------|-----------------------------|-----------|---------------------------|
| Project Name : | COG Cooper 31 1H (09.26.22) | Date :    | Tuesday, January 17, 2023 |
| Project No. :  | 1141                        | Sampler : | Lane Scarborough          |
| Location :     | Eddy County, New Mexico     | Driller : | Scarborough Drilling      |
| Coordinates :  | 32.091858°, -104.017397°    | Method :  | Air Rotary                |
| Elevation :    | 2,982'                      |           |                           |

| Depth (ft.) | WL | Soil Description                                                                                                  | Lithology | Depth (ft.) | WL | Soil Description                                                                                                  | Lithology |
|-------------|----|-------------------------------------------------------------------------------------------------------------------|-----------|-------------|----|-------------------------------------------------------------------------------------------------------------------|-----------|
| 0           |    | (0') - Black/Brown sandy clay with <25% medium angular well cemented gravel, dry, odorous, no organics (ML).      |           | 50          |    | (50') - Brown sandy clay with <50% medium angular well cemented gypsum fragments, dry, odorous, no organics (ML). |           |
| 5           |    | (5') - Brown sandy clay with <25% medium angular well cemented gypsum fragments, dry, odorous, no organics (ML).  |           | 55          |    | (55') - Brown sandy clay with <50% medium angular well cemented gypsum fragments, dry, odorous, no organics (ML). |           |
| 10          |    | (10') - Brown sandy clay with <50% medium angular well cemented gypsum fragments, dry, odorous, no organics (ML). |           | 60          |    |                                                                                                                   |           |
| 15          |    | (15') - Brown sandy clay with <50% medium angular well cemented gypsum fragments, dry, odorous, no organics (ML). |           | 65          |    |                                                                                                                   |           |
| 20          |    | (20') - Brown sandy clay with <50% medium angular well cemented gypsum fragments, dry, odorous, no organics (ML). |           | 70          |    |                                                                                                                   |           |
| 25          |    | (25') - Brown sandy clay with <50% medium angular well cemented gypsum fragments, dry, odorous, no organics (ML). |           | 75          |    |                                                                                                                   |           |
| 30          |    | (30') - Brown sandy clay with <50% medium angular well cemented gypsum fragments, dry, odorous, no organics (ML). |           | 80          |    |                                                                                                                   |           |
| 35          |    | (35') - Brown sandy clay with <50% medium angular well cemented gypsum fragments, dry, odorous, no organics (ML). |           | 85          |    |                                                                                                                   |           |
| 40          |    | (40') - Brown sandy clay with <50% medium angular well cemented gypsum fragments, dry, odorous, no organics (ML). |           | 90          |    |                                                                                                                   |           |
| 45          |    | (45') - Brown sandy clay with <50% medium angular well cemented gypsum fragments, dry, odorous, no organics (ML). |           | 95          |    |                                                                                                                   |           |
| 50          |    |                                                                                                                   |           | 105         |    |                                                                                                                   |           |

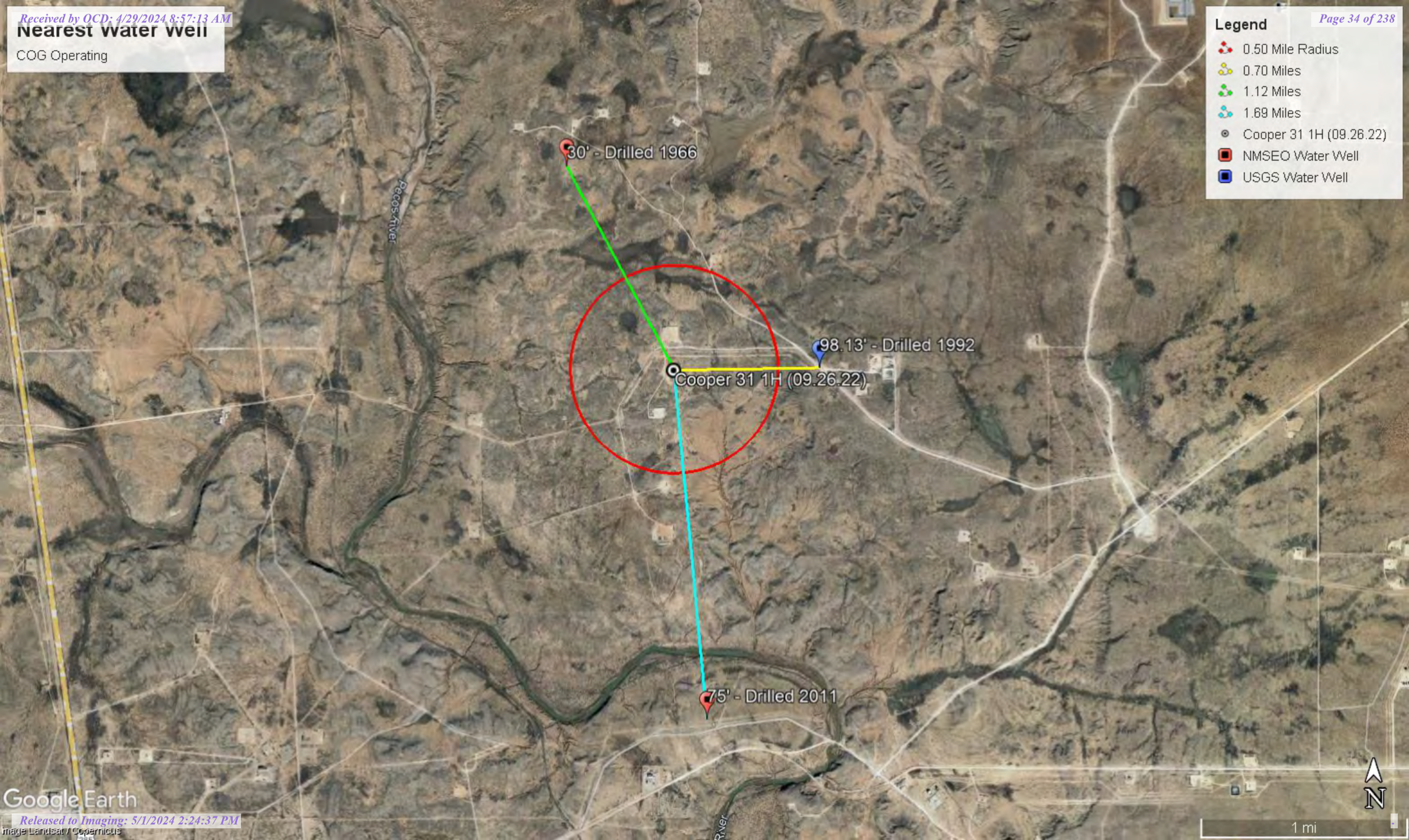
Comments : Boring terminated at 55' with no detection of groundwater. Well was measured with groundwater probe on 1/20/23 and no water was detected.

**Nearest water well**

COG Operating

**Legend**

- 0.50 Mile Radius
- 0.70 Miles
- 1.12 Miles
- 1.69 Miles
- Cooper 31 1H (09.26.22)
- NMSEO Water Well
- USGS Water Well

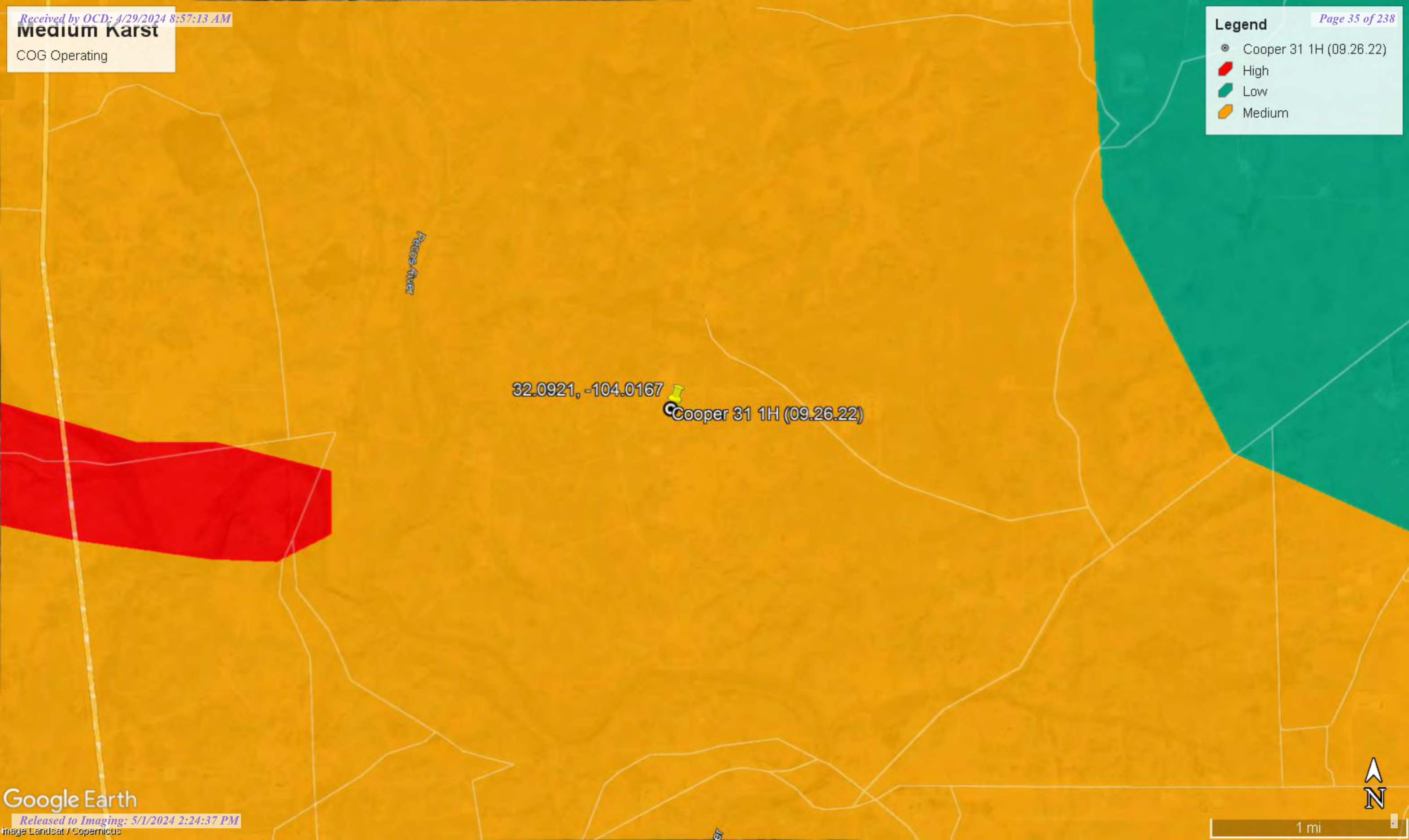


**medium karst**

COG Operating

**Legend**

- Cooper 31 1H (09.26.22)
- High
- Low
- Medium



Rio Grande

32.0921, -104.0167

Cooper 31 1H (09.26.22)





# 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 01337</a>      | C            | ED    |        | 2    | 1    | 30  | 25S | 29E |     | 591926 | 3552642* | 1794     | 180        | 30          | 150          |
| <a href="#">C 04473 POD1</a> | CUB          | ED    |        | 3    | 4    | 3   | 33  | 25S | 29E | 595018 | 3549768  | 2581     | 110        |             |              |
| <a href="#">C 03508 POD1</a> | C            | ED    |        | 1    | 3    | 3   | 05  | 26S | 29E | 593063 | 3548361  | 2720     | 140        | 75          | 65           |
| <a href="#">C 03507 POD1</a> | C            | ED    |        | 1    | 3    | 3   | 05  | 26S | 29E | 593064 | 3548313  | 2768     | 140        | 78          | 62           |

Average Depth to Water: **61 feet**

Minimum Depth: **30 feet**

Maximum Depth: **78 feet**

Record Count: 4

UTMNAD83 Radius Search (in meters):

**Easting (X):** 592786.98

**Northing (Y):** 3551067.39

**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.

9/29/22 8:39 PM

Page 1 of 1

WATER COLUMN/ AVERAGE  
DEPTH TO WATER



USGS Home  
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National Water Information System: Web Interface

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Data Category:  
Groundwater

Geographic Area:  
New Mexico

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Groundwater levels for New Mexico

Click to hide state-specific text

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Search Results -- 1 sites found

Agency code = usgs  
site\_no list =

- 320532104001701

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

USGS 320532104001701 25S.29E.32.21111

Eddy County, New Mexico  
Latitude 32°05'32", Longitude 104°00'17" NAD27  
Land-surface elevation 2,988 feet above NAVD88  
The depth of the well is 128 feet below land surface.  
This well is completed in the Other aquifers (N9999OTHER) national aquifer.  
This well is completed in the Rustler Formation (312RSLR) 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 |
|------------|------|-------------------------------------------|------------------------|-----------------------------------------------------|-------------------------------------------------------------------|---------------------------------|-------------|-------------------------------|--------------------------|-----------------------|
| 1949-03-11 |      |                                           | D 62610                |                                                     | 2871.10                                                           | NGVD29                          | 1           |                               | Z                        |                       |
| 1949-03-11 |      |                                           | D 62611                |                                                     | 2872.66                                                           | NAVD88                          | 1           |                               | Z                        |                       |
| 1949-03-11 |      |                                           | D 72019                | 115.34                                              |                                                                   |                                 | 1           |                               | Z                        |                       |
| 1958-08-19 |      |                                           | D 62610                |                                                     | 2887.81                                                           | NGVD29                          | 1           |                               | Z                        |                       |
| 1958-08-19 |      |                                           | D 62611                |                                                     | 2889.37                                                           | NAVD88                          | 1           |                               | Z                        |                       |
| 1958-08-19 |      |                                           | D 72019                | 98.63                                               |                                                                   |                                 | 1           |                               | Z                        |                       |
| 1959-03-24 |      |                                           | D 62610                |                                                     | 2887.84                                                           | NGVD29                          | 1           |                               | Z                        |                       |
| 1959-03-24 |      |                                           | D 62611                |                                                     | 2889.40                                                           | NAVD88                          | 1           |                               | Z                        |                       |
| 1959-03-24 |      |                                           | D 72019                | 98.60                                               |                                                                   |                                 | 1           |                               | Z                        |                       |
| 1978-01-13 |      |                                           | D 62610                |                                                     | 2891.21                                                           | NGVD29                          | 1           |                               | Z                        |                       |
| 1978-01-13 |      |                                           | D 62611                |                                                     | 2892.77                                                           | NAVD88                          | 1           |                               | Z                        |                       |
| 1978-01-13 |      |                                           | D 72019                | 95.23                                               |                                                                   |                                 | 1           |                               | Z                        |                       |
| 1983-02-01 |      |                                           | D 62610                |                                                     | 2890.81                                                           | NGVD29                          | 1           |                               | Z                        |                       |
| 1983-02-01 |      |                                           | D 62611                |                                                     | 2892.37                                                           | NAVD88                          | 1           |                               | Z                        |                       |

| 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 |
|------------|------|-------------------------------------------|------------------------|-----------------------------------------------------|-------------------------------------------------------------------|---------------------------------|-------------|-------------------------------|--------------------------|-----------------------|
|            |      |                                           |                        |                                                     |                                                                   |                                 |             |                               |                          |                       |
| 1983-02-01 |      |                                           | D                      | 72019                                               | 95.63                                                             |                                 |             | 1                             |                          | Z                     |
| 1987-10-14 |      |                                           | D                      | 62610                                               |                                                                   | 2889.75                         | NGVD29      | 1                             |                          | Z                     |
| 1987-10-14 |      |                                           | D                      | 62611                                               |                                                                   | 2891.31                         | NAVD88      | 1                             |                          | Z                     |
| 1987-10-14 |      |                                           | D                      | 72019                                               | 96.69                                                             |                                 |             | 1                             |                          | Z                     |
| 1988-04-06 |      |                                           | D                      | 62610                                               |                                                                   | 2889.51                         | NGVD29      | 1                             |                          | Z                     |
| 1988-04-06 |      |                                           | D                      | 62611                                               |                                                                   | 2891.07                         | NAVD88      | 1                             |                          | Z                     |
| 1988-04-06 |      |                                           | D                      | 72019                                               | 96.93                                                             |                                 |             | 1                             |                          | Z                     |
| 1992-11-03 |      |                                           | D                      | 62610                                               |                                                                   | 2888.31                         | NGVD29      | 1                             |                          | S                     |
| 1992-11-03 |      |                                           | D                      | 62611                                               |                                                                   | 2889.87                         | NAVD88      | 1                             |                          | S                     |
| 1992-11-03 |      |                                           | D                      | 72019                                               | 98.13                                                             |                                 |             | 1                             |                          | 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                      |
| 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                                               |
| 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: 2022-09-29 22:43:26 EDT

0.27   0.24 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)   |            |          |          |
| <b>Well Tag</b>                       | <b>POD Number</b> | <b>Q64</b>                         | <b>Q16</b>    | <b>Q4</b>                     | <b>Sec</b> | <b>Tws</b>              | <b>Rng</b> | <b>X</b> | <b>Y</b> |
| C                                     | 01337             | 2                                  | 1             | 30                            | 25S        | 29E                     | 591926     | 3552642* |          |
| <hr/>                                 |                   |                                    |               |                               |            |                         |            |          |          |
| <b>Driller License:</b> 24            |                   | <b>Driller Company:</b>            |               | BRININSTOOL, M.D.             |            |                         |            |          |          |
| <b>Driller Name:</b>                  |                   | HOWARD HEMLER                      |               |                               |            |                         |            |          |          |
| <b>Drill Start Date:</b> 08/25/1966   |                   | <b>Drill Finish Date:</b>          |               | 08/30/1966                    |            | <b>Plug Date:</b>       |            |          |          |
| <b>Log File Date:</b> 01/26/1967      |                   | <b>PCW Rev Date:</b>               |               |                               |            | <b>Source:</b>          |            | Shallow  |          |
| <b>Pump Type:</b>                     |                   | <b>Pipe Discharge Size:</b>        |               |                               |            | <b>Estimated Yield:</b> |            |          |          |
| <b>Casing Size:</b> 7.00              |                   | <b>Depth Well:</b>                 |               | 180 feet                      |            | <b>Depth Water:</b>     |            | 30 feet  |          |
| <hr/>                                 |                   |                                    |               |                               |            |                         |            |          |          |
| <b>Water Bearing Stratifications:</b> |                   | <b>Top</b>                         | <b>Bottom</b> | <b>Description</b>            |            |                         |            |          |          |
|                                       |                   | 73                                 | 93            | Sandstone/Gravel/Conglomerate |            |                         |            |          |          |
|                                       |                   | 163                                | 172           | Sandstone/Gravel/Conglomerate |            |                         |            |          |          |
| <hr/>                                 |                   |                                    |               |                               |            |                         |            |          |          |
| <b>Casing Perforations:</b>           |                   | <b>Top</b>                         | <b>Bottom</b> |                               |            |                         |            |          |          |
|                                       |                   | 163                                | 172           |                               |            |                         |            |          |          |

\*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.

9/29/22 8:40 PM

POINT OF DIVERSION SUMMARY



# New Mexico Office of the State Engineer

## Point of Diversion Summary

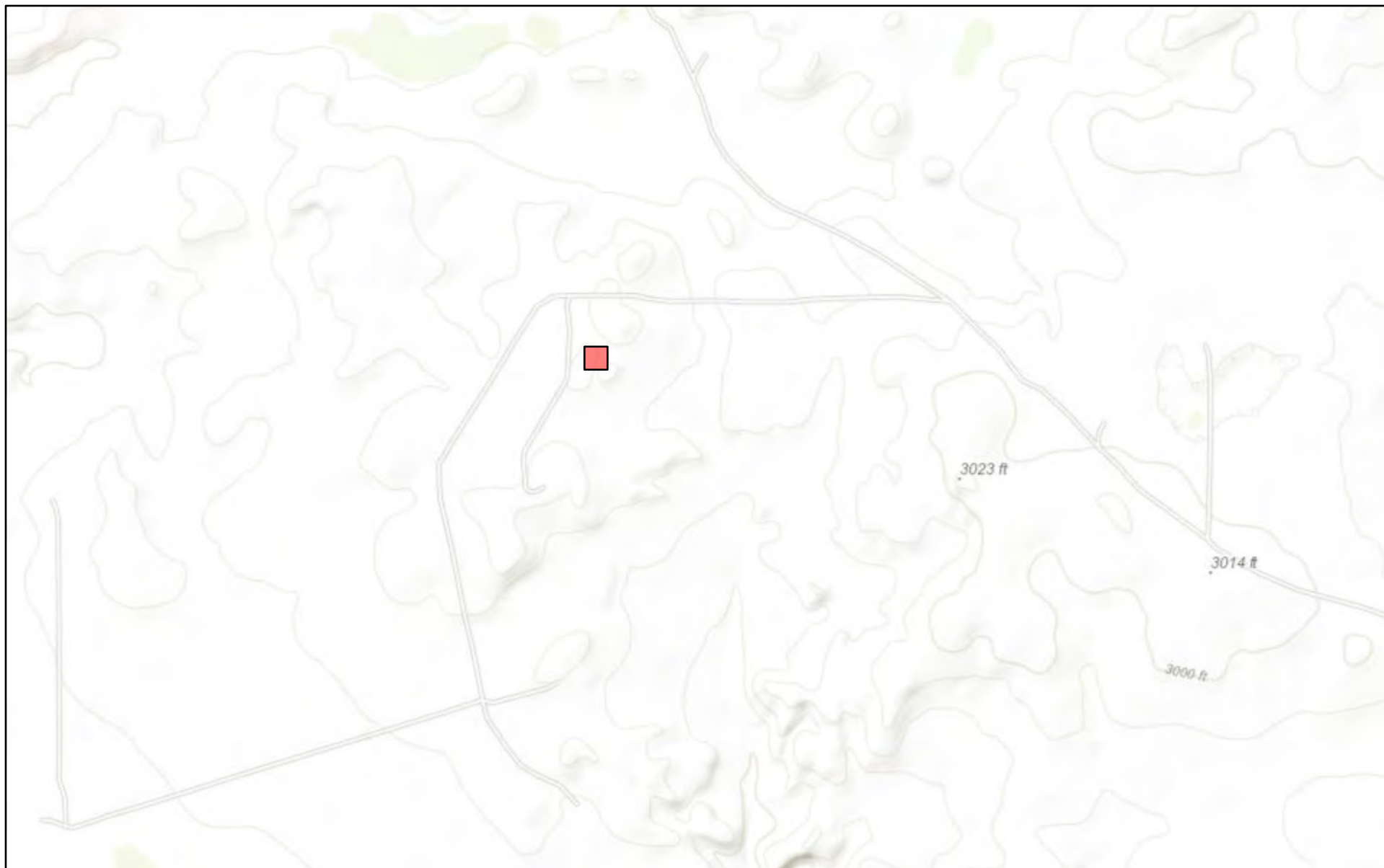
|                                       |                   |                                                       |               |                                |            |            |            |          |          |
|---------------------------------------|-------------------|-------------------------------------------------------|---------------|--------------------------------|------------|------------|------------|----------|----------|
|                                       |                   | (quarters are 1=NW 2=NE 3=SW 4=SE)                    |               |                                |            |            |            |          |          |
|                                       |                   | (quarters are smallest to largest)                    |               | (NAD83 UTM in meters)          |            |            |            |          |          |
| <b>Well Tag</b>                       | <b>POD Number</b> | <b>Q64</b>                                            | <b>Q16</b>    | <b>Q4</b>                      | <b>Sec</b> | <b>Tws</b> | <b>Rng</b> | <b>X</b> | <b>Y</b> |
| C                                     | 03508 POD1        | 1                                                     | 3             | 3                              | 05         | 26S        | 29E        | 593063   | 3548361  |
| <hr/>                                 |                   |                                                       |               |                                |            |            |            |          |          |
| <b>Driller License:</b> 1058          |                   | <b>Driller Company:</b> KEY'S DRILLING & PUMP SERVICE |               |                                |            |            |            |          |          |
| <b>Driller Name:</b> KEY, CLINTON     |                   |                                                       |               |                                |            |            |            |          |          |
| <b>Drill Start Date:</b> 08/24/2011   |                   | <b>Drill Finish Date:</b> 08/24/2011                  |               | <b>Plug Date:</b>              |            |            |            |          |          |
| <b>Log File Date:</b> 09/12/2011      |                   | <b>PCW Rev Date:</b>                                  |               | <b>Source:</b> Shallow         |            |            |            |          |          |
| <b>Pump Type:</b> SUBMER              |                   | <b>Pipe Discharge Size:</b>                           |               | <b>Estimated Yield:</b> 40 GPM |            |            |            |          |          |
| <b>Casing Size:</b> 6.00              |                   | <b>Depth Well:</b> 140 feet                           |               | <b>Depth Water:</b> 75 feet    |            |            |            |          |          |
| <hr/>                                 |                   |                                                       |               |                                |            |            |            |          |          |
| <b>Water Bearing Stratifications:</b> |                   | <b>Top</b>                                            | <b>Bottom</b> | <b>Description</b>             |            |            |            |          |          |
|                                       |                   | 75                                                    | 76            | Shale/Mudstone/Siltstone       |            |            |            |          |          |
| <hr/>                                 |                   |                                                       |               |                                |            |            |            |          |          |
| <b>Casing Perforations:</b>           |                   | <b>Top</b>                                            | <b>Bottom</b> |                                |            |            |            |          |          |
|                                       |                   | 65                                                    | 105           |                                |            |            |            |          |          |
| <hr/>                                 |                   |                                                       |               |                                |            |            |            |          |          |

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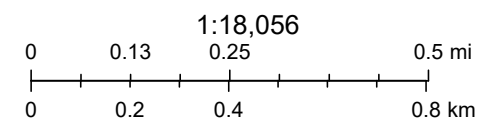
9/29/22 8:41 PM

POINT OF DIVERSION SUMMARY

# New Mexico NFHL Data



September 29, 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 America

### ANALYTICAL REPORT

Eurofins Midland  
1211 W. Florida Ave  
Midland, TX 79701  
Tel: (432)704-5440

Laboratory Job ID: 880-20328-1

Laboratory Sample Delivery Group: Eddy County, New Mexico  
Client Project/Site: Cooper 31 1H (09.26.22)

**For:**

Carmona Resources  
310 W Wall St  
Ste 415  
Midland, Texas 79701

Attn: Conner Moehring

Authorized for release by:

10/17/2022 11:28:44 AM

Jessica Kramer, Project Manager  
(432)704-5440

[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)

#### LINKS

Review your project  
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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Laboratory Job ID: 880-20328-1  
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-20328-1  
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| F2        | MS/MSD RPD exceeds control limits                        |
| U         | Indicates the analyte was analyzed for but not detected. |

GC Semi VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| 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. |

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: Cooper 31 1H (09.26.22)

Job ID: 880-20328-1  
SDG: Eddy County, New Mexico

**Job ID: 880-20328-1****Laboratory: Eurofins Midland****Narrative****Job Narrative  
880-20328-1****Receipt**

The samples were received on 10/13/2022 8:46 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 1.8°C

**Receipt Exceptions**

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-0.5') (880-20328-1), H-2 (0-0.5') (880-20328-2), H-3 (0-0.5') (880-20328-3), H-4 (0-0.5') (880-20328-4), H-5 (0-0.5') (880-20328-5), H-6 (0-0.5') (880-20328-6), H-7 (0-0.5') (880-20328-7) and Background-1 (880-20328-8).

**GC VOA**

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-36943 and analytical batch 880-36926 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was 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 samples were outside control limits: (880-20328-A-8-E MS) and (880-20328-A-8-F MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD\_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-36937 and analytical batch 880-36924 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-36849/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: H-2 (0-0.5') (880-20328-2), H-3 (0-0.5') (880-20328-3), (880-20328-A-1-B MS) and (880-20328-A-1-C MSD). 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: Cooper 31 1H (09.26.22)

Job ID: 880-20328-1  
SDG: Eddy County, New Mexico

Client Sample ID: H-1 (0-0.5')

Lab Sample ID: 880-20328-1

Date Collected: 10/12/22 00:00

Matrix: Solid

Date Received: 10/13/22 08:46

## 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 |   | 10/14/22 10:26 | 10/15/22 13:14 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 10/14/22 10:26 | 10/15/22 13:14 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 10/14/22 10:26 | 10/15/22 13:14 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 10/14/22 10:26 | 10/15/22 13:14 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 10/14/22 10:26 | 10/15/22 13:14 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 10/14/22 10:26 | 10/15/22 13:14 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 70        |           | 70 - 130 | 10/14/22 10:26 | 10/15/22 13:14 | 1       |
| 1,4-Difluorobenzene (Surr)  | 100       |           | 70 - 130 | 10/14/22 10:26 | 10/15/22 13:14 | 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 |   |          | 10/17/22 10:10 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 |     | mg/Kg |   |          | 10/17/22 08:55 | 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 | <49.8  | U         | 49.8 |     | mg/Kg |   | 10/13/22 10:24 | 10/14/22 20:40 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8  | U         | 49.8 |     | mg/Kg |   | 10/13/22 10:24 | 10/14/22 20:40 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8  | U         | 49.8 |     | mg/Kg |   | 10/13/22 10:24 | 10/14/22 20:40 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 119       |           | 70 - 130 | 10/13/22 10:24 | 10/14/22 20:40 | 1       |
| o-Terphenyl    | 123       |           | 70 - 130 | 10/13/22 10:24 | 10/14/22 20:40 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 37.9   |           | 5.00 |     | mg/Kg |   |          | 10/15/22 16:12 | 1       |

Client Sample ID: H-2 (0-0.5')

Lab Sample ID: 880-20328-2

Date Collected: 10/12/22 00:00

Matrix: Solid

Date Received: 10/13/22 08:46

## 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 |   | 10/14/22 10:26 | 10/15/22 13:34 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 10/14/22 10:26 | 10/15/22 13:34 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 10/14/22 10:26 | 10/15/22 13:34 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 10/14/22 10:26 | 10/15/22 13:34 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 10/14/22 10:26 | 10/15/22 13:34 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 10/14/22 10:26 | 10/15/22 13:34 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 94        |           | 70 - 130 | 10/14/22 10:26 | 10/15/22 13:34 | 1       |
| 1,4-Difluorobenzene (Surr)  | 91        |           | 70 - 130 | 10/14/22 10:26 | 10/15/22 13:34 | 1       |

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-20328-1  
SDG: Eddy County, New Mexico

Client Sample ID: H-2 (0-0.5')

Lab Sample ID: 880-20328-2

Date Collected: 10/12/22 00:00

Matrix: Solid

Date Received: 10/13/22 08:46

## 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 |   |          | 10/17/22 10:10 | 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 |   |          | 10/17/22 08:55 | 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 |   | 10/13/22 10:24 | 10/14/22 21:44 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 10/13/22 10:24 | 10/14/22 21:44 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 10/13/22 10:24 | 10/14/22 21:44 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 154       | S1+       | 70 - 130 |     |       |   | 10/13/22 10:24 | 10/14/22 21:44 | 1       |
| o-Terphenyl                          | 146       | S1+       | 70 - 130 |     |       |   | 10/13/22 10:24 | 10/14/22 21:44 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 19.4   |           | 5.00 |     | mg/Kg |   |          | 10/15/22 16:17 | 1       |

Client Sample ID: H-3 (0-0.5')

Lab Sample ID: 880-20328-3

Date Collected: 10/12/22 00:00

Matrix: Solid

Date Received: 10/13/22 08:46

## 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 |   | 10/14/22 10:26 | 10/15/22 13:55 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 10/14/22 10:26 | 10/15/22 13:55 | 1       |
| Ethylbenzene                | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 10/14/22 10:26 | 10/15/22 13:55 | 1       |
| m-Xylene & p-Xylene         | <0.00402  | U         | 0.00402  |     | mg/Kg |   | 10/14/22 10:26 | 10/15/22 13:55 | 1       |
| o-Xylene                    | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 10/14/22 10:26 | 10/15/22 13:55 | 1       |
| Xylenes, Total              | <0.00402  | U         | 0.00402  |     | mg/Kg |   | 10/14/22 10:26 | 10/15/22 13:55 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 73        |           | 70 - 130 |     |       |   | 10/14/22 10:26 | 10/15/22 13:55 | 1       |
| 1,4-Difluorobenzene (Surr)  | 102       |           | 70 - 130 |     |       |   | 10/14/22 10:26 | 10/15/22 13:55 | 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 |   |          | 10/17/22 10:10 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 |     | mg/Kg |   |          | 10/17/22 08:55 | 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 | <49.8  | U         | 49.8 |     | mg/Kg |   | 10/13/22 10:24 | 10/14/22 22:06 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8  | U         | 49.8 |     | mg/Kg |   | 10/13/22 10:24 | 10/14/22 22:06 | 1       |

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-20328-1  
SDG: Eddy County, New Mexico

Client Sample ID: H-3 (0-0.5')

Lab Sample ID: 880-20328-3

Date Collected: 10/12/22 00:00

Matrix: Solid

Date Received: 10/13/22 08:46

## 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) | <49.8     | U         | 49.8     |     | mg/Kg |   | 10/13/22 10:24 | 10/14/22 22:06 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                    | 148       | S1+       | 70 - 130 |     |       |   | 10/13/22 10:24 | 10/14/22 22:06 | 1       |
| o-Terphenyl                       | 145       | S1+       | 70 - 130 |     |       |   | 10/13/22 10:24 | 10/14/22 22:06 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 19.9   |           | 5.04 |     | mg/Kg |   |          | 10/15/22 16:22 | 1       |

Client Sample ID: H-4 (0-0.5')

Lab Sample ID: 880-20328-4

Date Collected: 10/12/22 00:00

Matrix: Solid

Date Received: 10/13/22 08:46

## 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 |   | 10/14/22 10:26 | 10/15/22 14:15 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 10/14/22 10:26 | 10/15/22 14:15 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 10/14/22 10:26 | 10/15/22 14:15 | 1       |
| m-Xylene & p-Xylene         | <0.00401  | U         | 0.00401  |     | mg/Kg |   | 10/14/22 10:26 | 10/15/22 14:15 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 10/14/22 10:26 | 10/15/22 14:15 | 1       |
| Xylenes, Total              | <0.00401  | U         | 0.00401  |     | mg/Kg |   | 10/14/22 10:26 | 10/15/22 14:15 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 99        |           | 70 - 130 |     |       |   | 10/14/22 10:26 | 10/15/22 14:15 | 1       |
| 1,4-Difluorobenzene (Surr)  | 103       |           | 70 - 130 |     |       |   | 10/14/22 10:26 | 10/15/22 14:15 | 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 |   |          | 10/17/22 10:10 | 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 |   |          | 10/17/22 08:55 | 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 |   | 10/13/22 10:24 | 10/14/22 22:27 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 10/13/22 10:24 | 10/14/22 22:27 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 10/13/22 10:24 | 10/14/22 22:27 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 110       |           | 70 - 130 |     |       |   | 10/13/22 10:24 | 10/14/22 22:27 | 1       |
| o-Terphenyl                          | 114       |           | 70 - 130 |     |       |   | 10/13/22 10:24 | 10/14/22 22:27 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 34.4   |           | 5.05 |     | mg/Kg |   |          | 10/15/22 16:27 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-20328-1  
SDG: Eddy County, New Mexico

Client Sample ID: H-5 (0-0.5')

Lab Sample ID: 880-20328-5

Date Collected: 10/12/22 00:00

Matrix: Solid

Date Received: 10/13/22 08:46

## 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 |   | 10/14/22 10:26 | 10/15/22 14:36 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 10/14/22 10:26 | 10/15/22 14:36 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 10/14/22 10:26 | 10/15/22 14:36 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 10/14/22 10:26 | 10/15/22 14:36 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 10/14/22 10:26 | 10/15/22 14:36 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 10/14/22 10:26 | 10/15/22 14:36 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 98        |           | 70 - 130 | 10/14/22 10:26 | 10/15/22 14:36 | 1       |
| 1,4-Difluorobenzene (Surr)  | 95        |           | 70 - 130 | 10/14/22 10:26 | 10/15/22 14:36 | 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 |   |          | 10/17/22 10:10 | 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 |   |          | 10/17/22 08:55 | 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 |   | 10/13/22 10:24 | 10/14/22 22:49 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 10/13/22 10:24 | 10/14/22 22:49 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 10/13/22 10:24 | 10/14/22 22:49 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 109       |           | 70 - 130 | 10/13/22 10:24 | 10/14/22 22:49 | 1       |
| o-Terphenyl    | 111       |           | 70 - 130 | 10/13/22 10:24 | 10/14/22 22:49 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 33.7   |           | 5.04 |     | mg/Kg |   |          | 10/15/22 16:32 | 1       |

Client Sample ID: H-6 (0-0.5')

Lab Sample ID: 880-20328-6

Date Collected: 10/12/22 00:00

Matrix: Solid

Date Received: 10/13/22 08:46

## 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 |   | 10/14/22 10:26 | 10/15/22 14:57 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 10/14/22 10:26 | 10/15/22 14:57 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 10/14/22 10:26 | 10/15/22 14:57 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 10/14/22 10:26 | 10/15/22 14:57 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 10/14/22 10:26 | 10/15/22 14:57 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 10/14/22 10:26 | 10/15/22 14:57 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 107       |           | 70 - 130 | 10/14/22 10:26 | 10/15/22 14:57 | 1       |
| 1,4-Difluorobenzene (Surr)  | 93        |           | 70 - 130 | 10/14/22 10:26 | 10/15/22 14:57 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-20328-1  
SDG: Eddy County, New Mexico

Client Sample ID: H-6 (0-0.5')

Lab Sample ID: 880-20328-6

Date Collected: 10/12/22 00:00

Matrix: Solid

Date Received: 10/13/22 08:46

## 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 |   |          | 10/17/22 10:10 | 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 |   |          | 10/17/22 08:55 | 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 |   | 10/13/22 10:24 | 10/14/22 23:11 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 10/13/22 10:24 | 10/14/22 23:11 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 10/13/22 10:24 | 10/14/22 23:11 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 115       |           | 70 - 130 |     |       |   | 10/13/22 10:24 | 10/14/22 23:11 | 1       |
| o-Terphenyl                          | 120       |           | 70 - 130 |     |       |   | 10/13/22 10:24 | 10/14/22 23:11 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 18.7   |           | 4.96 |     | mg/Kg |   |          | 10/15/22 16:37 | 1       |

Client Sample ID: H-7 (0-0.5')

Lab Sample ID: 880-20328-7

Date Collected: 10/12/22 00:00

Matrix: Solid

Date Received: 10/13/22 08:46

## 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 |   | 10/14/22 10:26 | 10/15/22 15:17 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 10/14/22 10:26 | 10/15/22 15:17 | 1       |
| Ethylbenzene                | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 10/14/22 10:26 | 10/15/22 15:17 | 1       |
| m-Xylene & p-Xylene         | <0.00402  | U         | 0.00402  |     | mg/Kg |   | 10/14/22 10:26 | 10/15/22 15:17 | 1       |
| o-Xylene                    | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 10/14/22 10:26 | 10/15/22 15:17 | 1       |
| Xylenes, Total              | <0.00402  | U         | 0.00402  |     | mg/Kg |   | 10/14/22 10:26 | 10/15/22 15:17 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 76        |           | 70 - 130 |     |       |   | 10/14/22 10:26 | 10/15/22 15:17 | 1       |
| 1,4-Difluorobenzene (Surr)  | 101       |           | 70 - 130 |     |       |   | 10/14/22 10:26 | 10/15/22 15:17 | 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 |   |          | 10/17/22 10:10 | 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 |   |          | 10/17/22 08:55 | 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 |   | 10/13/22 10:24 | 10/14/22 23:33 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 10/13/22 10:24 | 10/14/22 23:33 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-20328-1  
SDG: Eddy County, New Mexico

Client Sample ID: H-7 (0-0.5')

Lab Sample ID: 880-20328-7

Date Collected: 10/12/22 00:00

Matrix: Solid

Date Received: 10/13/22 08:46

## 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 |   | 10/13/22 10:24 | 10/14/22 23:33 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                    | 111       |           | 70 - 130 |     |       |   | 10/13/22 10:24 | 10/14/22 23:33 | 1       |
| o-Terphenyl                       | 115       |           | 70 - 130 |     |       |   | 10/13/22 10:24 | 10/14/22 23:33 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 17.5   |           | 4.95 |     | mg/Kg |   |          | 10/15/22 16:41 | 1       |

Client Sample ID: Background-1

Lab Sample ID: 880-20328-8

Date Collected: 10/12/22 00:00

Matrix: Solid

Date Received: 10/13/22 08:46

## 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 |   | 10/14/22 10:26 | 10/15/22 15:38 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 10/14/22 10:26 | 10/15/22 15:38 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 10/14/22 10:26 | 10/15/22 15:38 | 1       |
| m-Xylene & p-Xylene         | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 10/14/22 10:26 | 10/15/22 15:38 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 10/14/22 10:26 | 10/15/22 15:38 | 1       |
| Xylenes, Total              | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 10/14/22 10:26 | 10/15/22 15:38 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 80        |           | 70 - 130 |     |       |   | 10/14/22 10:26 | 10/15/22 15:38 | 1       |
| 1,4-Difluorobenzene (Surr)  | 87        |           | 70 - 130 |     |       |   | 10/14/22 10:26 | 10/15/22 15:38 | 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 |   |          | 10/17/22 10:10 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 |     | mg/Kg |   |          | 10/17/22 08:55 | 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 | <49.8     | U F2      | 49.8     |     | mg/Kg |   | 10/14/22 08:59 | 10/14/22 11:38 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U F1      | 49.8     |     | mg/Kg |   | 10/14/22 08:59 | 10/14/22 11:38 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     |     | mg/Kg |   | 10/14/22 08:59 | 10/14/22 11:38 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 85        |           | 70 - 130 |     |       |   | 10/14/22 08:59 | 10/14/22 11:38 | 1       |
| o-Terphenyl                          | 91        |           | 70 - 130 |     |       |   | 10/14/22 08:59 | 10/14/22 11:38 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 20.9   |           | 5.04 |     | mg/Kg |   |          | 10/15/22 00:31 | 1       |

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## Surrogate Summary

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-20328-1  
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                                           | DFBZ1    |  |  |  |  |
|                                   |                        | (70-130)                                       | (70-130) |  |  |  |  |
| 880-20328-1                       | H-1 (0-0.5')           | 70                                             | 100      |  |  |  |  |
| 880-20328-2                       | H-2 (0-0.5')           | 94                                             | 91       |  |  |  |  |
| 880-20328-3                       | H-3 (0-0.5')           | 73                                             | 102      |  |  |  |  |
| 880-20328-4                       | H-4 (0-0.5')           | 99                                             | 103      |  |  |  |  |
| 880-20328-5                       | H-5 (0-0.5')           | 98                                             | 95       |  |  |  |  |
| 880-20328-6                       | H-6 (0-0.5')           | 107                                            | 93       |  |  |  |  |
| 880-20328-7                       | H-7 (0-0.5')           | 76                                             | 101      |  |  |  |  |
| 880-20328-8                       | Background-1           | 80                                             | 87       |  |  |  |  |
| 890-3178-A-1-C MS                 | Matrix Spike           | 94                                             | 109      |  |  |  |  |
| 890-3178-A-1-D MSD                | Matrix Spike Duplicate | 106                                            | 93       |  |  |  |  |
| LCS 880-36943/1-A                 | Lab Control Sample     | 122                                            | 91       |  |  |  |  |
| LCSD 880-36943/2-A                | Lab Control Sample Dup | 98                                             | 104      |  |  |  |  |
| MB 880-36687/5-A                  | Method Blank           | 86                                             | 96       |  |  |  |  |
| MB 880-36943/5-A                  | Method Blank           | 87                                             | 94       |  |  |  |  |
| <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                                           | OTPH1    |  |  |  |  |
|                         |                        | (70-130)                                       | (70-130) |  |  |  |  |
| 880-20328-1             | H-1 (0-0.5')           | 119                                            | 123      |  |  |  |  |
| 880-20328-1 MS          | H-1 (0-0.5')           | 197 S1+                                        | 189 S1+  |  |  |  |  |
| 880-20328-1 MSD         | H-1 (0-0.5')           | 192 S1+                                        | 186 S1+  |  |  |  |  |
| 880-20328-2             | H-2 (0-0.5')           | 154 S1+                                        | 146 S1+  |  |  |  |  |
| 880-20328-3             | H-3 (0-0.5')           | 148 S1+                                        | 145 S1+  |  |  |  |  |
| 880-20328-4             | H-4 (0-0.5')           | 110                                            | 114      |  |  |  |  |
| 880-20328-5             | H-5 (0-0.5')           | 109                                            | 111      |  |  |  |  |
| 880-20328-6             | H-6 (0-0.5')           | 115                                            | 120      |  |  |  |  |
| 880-20328-7             | H-7 (0-0.5')           | 111                                            | 115      |  |  |  |  |
| 880-20328-8             | Background-1           | 85                                             | 91       |  |  |  |  |
| 880-20328-8 MS          | Background-1           | 64 S1-                                         | 59 S1-   |  |  |  |  |
| 880-20328-8 MSD         | Background-1           | 73                                             | 67 S1-   |  |  |  |  |
| LCS 880-36849/2-A       | Lab Control Sample     | 69 S1-                                         | 86       |  |  |  |  |
| LCS 880-36937/2-A       | Lab Control Sample     | 75                                             | 82       |  |  |  |  |
| LCSD 880-36849/3-A      | Lab Control Sample Dup | 82                                             | 97       |  |  |  |  |
| LCSD 880-36937/3-A      | Lab Control Sample Dup | 73                                             | 80       |  |  |  |  |
| MB 880-36849/1-A        | Method Blank           | 121                                            | 130      |  |  |  |  |
| MB 880-36937/1-A        | Method Blank           | 96                                             | 108      |  |  |  |  |
| <b>Surrogate Legend</b> |                        |                                                |          |  |  |  |  |
| 1CO = 1-Chlorooctane    |                        |                                                |          |  |  |  |  |
| OTPH = o-Terphenyl      |                        |                                                |          |  |  |  |  |

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QC Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-20328-1  
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

|                                 |              |              |          |     |       |   |                                |                |         |
|---------------------------------|--------------|--------------|----------|-----|-------|---|--------------------------------|----------------|---------|
| Lab Sample ID: MB 880-36687/5-A |              |              |          |     |       |   | Client Sample ID: Method Blank |                |         |
| Matrix: Solid                   |              |              |          |     |       |   | Prep Type: Total/NA            |                |         |
| Analysis Batch: 36926           |              |              |          |     |       |   | Prep Batch: 36687              |                |         |
| Analyte                         | MB Result    | MB Qualifier | RL       | MDL | Unit  | D | Prepared                       | Analyzed       | Dil Fac |
| Benzene                         | <0.00200     | U            | 0.00200  |     | mg/Kg |   | 10/11/22 14:39                 | 10/14/22 21:49 | 1       |
| Toluene                         | <0.00200     | U            | 0.00200  |     | mg/Kg |   | 10/11/22 14:39                 | 10/14/22 21:49 | 1       |
| Ethylbenzene                    | <0.00200     | U            | 0.00200  |     | mg/Kg |   | 10/11/22 14:39                 | 10/14/22 21:49 | 1       |
| m-Xylene & p-Xylene             | <0.00400     | U            | 0.00400  |     | mg/Kg |   | 10/11/22 14:39                 | 10/14/22 21:49 | 1       |
| o-Xylene                        | <0.00200     | U            | 0.00200  |     | mg/Kg |   | 10/11/22 14:39                 | 10/14/22 21:49 | 1       |
| Xylenes, Total                  | <0.00400     | U            | 0.00400  |     | mg/Kg |   | 10/11/22 14:39                 | 10/14/22 21:49 | 1       |
|                                 |              |              |          |     |       |   |                                |                |         |
| Surrogate                       | MB %Recovery | MB Qualifier | Limits   |     |       |   | Prepared                       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)     | 86           |              | 70 - 130 |     |       |   | 10/11/22 14:39                 | 10/14/22 21:49 | 1       |
| 1,4-Difluorobenzene (Surr)      | 96           |              | 70 - 130 |     |       |   | 10/11/22 14:39                 | 10/14/22 21:49 | 1       |

|                                 |              |              |          |     |       |   |                                |                |         |
|---------------------------------|--------------|--------------|----------|-----|-------|---|--------------------------------|----------------|---------|
| Lab Sample ID: MB 880-36943/5-A |              |              |          |     |       |   | Client Sample ID: Method Blank |                |         |
| Matrix: Solid                   |              |              |          |     |       |   | Prep Type: Total/NA            |                |         |
| Analysis Batch: 36926           |              |              |          |     |       |   | Prep Batch: 36943              |                |         |
| Analyte                         | MB Result    | MB Qualifier | RL       | MDL | Unit  | D | Prepared                       | Analyzed       | Dil Fac |
| Benzene                         | <0.00200     | U            | 0.00200  |     | mg/Kg |   | 10/14/22 10:26                 | 10/15/22 08:24 | 1       |
| Toluene                         | <0.00200     | U            | 0.00200  |     | mg/Kg |   | 10/14/22 10:26                 | 10/15/22 08:24 | 1       |
| Ethylbenzene                    | <0.00200     | U            | 0.00200  |     | mg/Kg |   | 10/14/22 10:26                 | 10/15/22 08:24 | 1       |
| m-Xylene & p-Xylene             | <0.00400     | U            | 0.00400  |     | mg/Kg |   | 10/14/22 10:26                 | 10/15/22 08:24 | 1       |
| o-Xylene                        | <0.00200     | U            | 0.00200  |     | mg/Kg |   | 10/14/22 10:26                 | 10/15/22 08:24 | 1       |
| Xylenes, Total                  | <0.00400     | U            | 0.00400  |     | mg/Kg |   | 10/14/22 10:26                 | 10/15/22 08:24 | 1       |
|                                 |              |              |          |     |       |   |                                |                |         |
| Surrogate                       | MB %Recovery | MB Qualifier | Limits   |     |       |   | Prepared                       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)     | 87           |              | 70 - 130 |     |       |   | 10/14/22 10:26                 | 10/15/22 08:24 | 1       |
| 1,4-Difluorobenzene (Surr)      | 94           |              | 70 - 130 |     |       |   | 10/14/22 10:26                 | 10/15/22 08:24 | 1       |

|                                  |               |               |            |               |       |   |                                      |             |  |
|----------------------------------|---------------|---------------|------------|---------------|-------|---|--------------------------------------|-------------|--|
| Lab Sample ID: LCS 880-36943/1-A |               |               |            |               |       |   | Client Sample ID: Lab Control Sample |             |  |
| Matrix: Solid                    |               |               |            |               |       |   | Prep Type: Total/NA                  |             |  |
| Analysis Batch: 36926            |               |               |            |               |       |   | Prep Batch: 36943                    |             |  |
| Analyte                          |               | Spike Added   | LCS Result | LCS Qualifier | Unit  | D | %Rec                                 | %Rec Limits |  |
| Benzene                          |               | 0.100         | 0.09578    |               | mg/Kg |   | 96                                   | 70 - 130    |  |
| Toluene                          |               | 0.100         | 0.1041     |               | mg/Kg |   | 104                                  | 70 - 130    |  |
| Ethylbenzene                     |               | 0.100         | 0.1050     |               | mg/Kg |   | 105                                  | 70 - 130    |  |
| m-Xylene & p-Xylene              |               | 0.200         | 0.2304     |               | mg/Kg |   | 115                                  | 70 - 130    |  |
| o-Xylene                         |               | 0.100         | 0.1153     |               | mg/Kg |   | 115                                  | 70 - 130    |  |
|                                  |               |               |            |               |       |   |                                      |             |  |
| Surrogate                        | LCS %Recovery | LCS Qualifier | Limits     |               |       |   |                                      |             |  |
| 4-Bromofluorobenzene (Surr)      | 122           |               | 70 - 130   |               |       |   |                                      |             |  |
| 1,4-Difluorobenzene (Surr)       | 91            |               | 70 - 130   |               |       |   |                                      |             |  |

|                                   |  |             |             |                |       |   |                                          |             |           |
|-----------------------------------|--|-------------|-------------|----------------|-------|---|------------------------------------------|-------------|-----------|
| Lab Sample ID: LCSD 880-36943/2-A |  |             |             |                |       |   | Client Sample ID: Lab Control Sample Dup |             |           |
| Matrix: Solid                     |  |             |             |                |       |   | Prep Type: Total/NA                      |             |           |
| Analysis Batch: 36926             |  |             |             |                |       |   | Prep Batch: 36943                        |             |           |
| Analyte                           |  | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec                                     | %Rec Limits | RPD Limit |
| Benzene                           |  | 0.100       | 0.09781     |                | mg/Kg |   | 98                                       | 70 - 130    | 2 35      |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-20328-1  
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-36943/2-A

Matrix: Solid

Analysis Batch: 36926

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 36943

| Analyte             | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec     |     | RPD | Limit |
|---------------------|----------------|----------------|-------------------|-------|---|------|----------|-----|-----|-------|
|                     |                |                |                   |       |   |      | Limits   | RPD |     |       |
| Toluene             | 0.100          | 0.09059        |                   | mg/Kg |   | 91   | 70 - 130 | 14  |     | 35    |
| Ethylbenzene        | 0.100          | 0.08699        |                   | mg/Kg |   | 87   | 70 - 130 | 19  |     | 35    |
| m-Xylene & p-Xylene | 0.200          | 0.1801         |                   | mg/Kg |   | 90   | 70 - 130 | 25  |     | 35    |
| o-Xylene            | 0.100          | 0.08975        |                   | mg/Kg |   | 90   | 70 - 130 | 25  |     | 35    |

| Surrogate                   | LCSD      |           | Limits   |
|-----------------------------|-----------|-----------|----------|
|                             | %Recovery | Qualifier |          |
| 4-Bromofluorobenzene (Surr) | 98        |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 104       |           | 70 - 130 |

Lab Sample ID: 890-3178-A-1-C MS

Matrix: Solid

Analysis Batch: 36926

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 36943

| Analyte             | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec     |     |
|---------------------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------|-----|
|                     |                  |                     |                |              |                 |       |   |      | Limits   | RPD |
| Benzene             | <0.00200         | U F1 F2             | 0.100          | 0.09149      |                 | mg/Kg |   | 91   | 70 - 130 |     |
| Toluene             | <0.00200         | U F1 F2             | 0.100          | 0.07422      |                 | mg/Kg |   | 74   | 70 - 130 |     |
| Ethylbenzene        | <0.00200         | U F1 F2             | 0.100          | 0.07059      |                 | mg/Kg |   | 70   | 70 - 130 |     |
| m-Xylene & p-Xylene | <0.00401         | U F1 F2             | 0.201          | 0.1430       |                 | mg/Kg |   | 71   | 70 - 130 |     |
| o-Xylene            | <0.00200         | U F1 F2             | 0.100          | 0.07440      |                 | mg/Kg |   | 74   | 70 - 130 |     |

| Surrogate                   | MS        |           | Limits   |
|-----------------------------|-----------|-----------|----------|
|                             | %Recovery | Qualifier |          |
| 4-Bromofluorobenzene (Surr) | 94        |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 109       |           | 70 - 130 |

Lab Sample ID: 890-3178-A-1-D MSD

Matrix: Solid

Analysis Batch: 36926

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 36943

| Analyte             | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec     |     | RPD | Limit |
|---------------------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------|-----|-----|-------|
|                     |                  |                     |                |               |                  |       |   |      | Limits   | RPD |     |       |
| Benzene             | <0.00200         | U F1 F2             | 0.0998         | 0.03440       | F1 F2            | mg/Kg |   | 34   | 70 - 130 | 91  |     | 35    |
| Toluene             | <0.00200         | U F1 F2             | 0.0998         | 0.03575       | F1 F2            | mg/Kg |   | 36   | 70 - 130 | 70  |     | 35    |
| Ethylbenzene        | <0.00200         | U F1 F2             | 0.0998         | 0.04228       | F1 F2            | mg/Kg |   | 42   | 70 - 130 | 50  |     | 35    |
| m-Xylene & p-Xylene | <0.00401         | U F1 F2             | 0.200          | 0.08475       | F1 F2            | mg/Kg |   | 42   | 70 - 130 | 51  |     | 35    |
| o-Xylene            | <0.00200         | U F1 F2             | 0.0998         | 0.04859       | F1 F2            | mg/Kg |   | 49   | 70 - 130 | 42  |     | 35    |

| Surrogate                   | MSD       |           | Limits   |
|-----------------------------|-----------|-----------|----------|
|                             | %Recovery | Qualifier |          |
| 4-Bromofluorobenzene (Surr) | 106       |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 93        |           | 70 - 130 |

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

Lab Sample ID: MB 880-36849/1-A

Matrix: Solid

Analysis Batch: 36918

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 36849

| Analyte                                 | MB     |           | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
|                                         | Result | Qualifier |      |     |       |   |                |                |         |
| Gasoline Range Organics<br>(GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 10/13/22 10:24 | 10/14/22 19:36 | 1       |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-20328-1  
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-36849/1-A

Matrix: Solid

Analysis Batch: 36918

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 36849

| Analyte                              | MB        | MB        | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
|                                      | Result    | Qualifier |          |     |       |   |                |                |         |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 10/13/22 10:24 | 10/14/22 19:36 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 10/13/22 10:24 | 10/14/22 19:36 | 1       |
| Surrogate                            | MB        | MB        | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
|                                      | %Recovery | Qualifier |          |     |       |   |                |                |         |
| 1-Chlorooctane                       | 121       |           | 70 - 130 |     |       |   | 10/13/22 10:24 | 10/14/22 19:36 | 1       |
| o-Terphenyl                          | 130       |           | 70 - 130 |     |       |   | 10/13/22 10:24 | 10/14/22 19:36 | 1       |

Lab Sample ID: LCS 880-36849/2-A

Matrix: Solid

Analysis Batch: 36918

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 36849

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |  |  |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|--|--|
|                                      |             |            |               |       |   |      |             |  |  |
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1101       |               | mg/Kg |   | 110  | 70 - 130    |  |  |
| Diesel Range Organics (Over C10-C28) | 1000        | 1057       |               | mg/Kg |   | 106  | 70 - 130    |  |  |
| Surrogate                            | LCS         | LCS        | Limits        |       |   |      |             |  |  |
|                                      | %Recovery   | Qualifier  |               |       |   |      |             |  |  |
| 1-Chlorooctane                       | 69          | S1-        | 70 - 130      |       |   |      |             |  |  |
| o-Terphenyl                          | 86          |            | 70 - 130      |       |   |      |             |  |  |

Lab Sample ID: LCSD 880-36849/3-A

Matrix: Solid

Analysis Batch: 36918

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 36849

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
|                                      |             |             |                |       |   |      |             |     |           |
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 991.9       |                | mg/Kg |   | 99   | 70 - 130    | 10  | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 1151        |                | mg/Kg |   | 115  | 70 - 130    | 8   | 20        |
| Surrogate                            | LCSD        | LCSD        | Limits         |       |   |      |             |     |           |
|                                      | %Recovery   | Qualifier   |                |       |   |      |             |     |           |
| 1-Chlorooctane                       | 82          |             | 70 - 130       |       |   |      |             |     |           |
| o-Terphenyl                          | 97          |             | 70 - 130       |       |   |      |             |     |           |

Lab Sample ID: 880-20328-1 MS

Matrix: Solid

Analysis Batch: 36918

Client Sample ID: H-1 (0-0.5')

Prep Type: Total/NA

Prep Batch: 36849

| Analyte                              | Sample    | Sample    | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |  |  |
|--------------------------------------|-----------|-----------|-------------|-----------|--------------|-------|---|------|-------------|--|--|
|                                      | Result    | Qualifier |             |           |              |       |   |      |             |  |  |
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 998         | 871.4     |              | mg/Kg |   | 86   | 70 - 130    |  |  |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 998         | 1191      |              | mg/Kg |   | 119  | 70 - 130    |  |  |
| Surrogate                            | MS        | MS        | Limits      |           |              |       |   |      |             |  |  |
|                                      | %Recovery | Qualifier |             |           |              |       |   |      |             |  |  |
| 1-Chlorooctane                       | 197       | S1+       | 70 - 130    |           |              |       |   |      |             |  |  |
| o-Terphenyl                          | 189       | S1+       | 70 - 130    |           |              |       |   |      |             |  |  |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-20328-1  
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-20328-1 MSD

Matrix: Solid

Analysis Batch: 36918

Client Sample ID: H-1 (0-0.5')

Prep Type: Total/NA

Prep Batch: 36849

| 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 | <49.8         | U                | 998         | 830.5      |               | mg/Kg |   | 82   | 70 - 130    | 5   | 20        |
| Diesel Range Organics (Over C10-C28) | <49.8         | U                | 998         | 1172       |               | mg/Kg |   | 117  | 70 - 130    | 2   | 20        |
| Surrogate                            | MSD %Recovery | MSD Qualifier    | Limits      |            |               |       |   |      |             |     |           |
| 1-Chlorooctane                       | 192           | S1+              | 70 - 130    |            |               |       |   |      |             |     |           |
| o-Terphenyl                          | 186           | S1+              | 70 - 130    |            |               |       |   |      |             |     |           |

Lab Sample ID: MB 880-36937/1-A

Matrix: Solid

Analysis Batch: 36924

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 36937

| 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 |   | 10/14/22 08:59 | 10/14/22 10:34 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0        | U            | 50.0     |     | mg/Kg |   | 10/14/22 08:59 | 10/14/22 10:34 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0        | U            | 50.0     |     | mg/Kg |   | 10/14/22 08:59 | 10/14/22 10:34 | 1       |
| Surrogate                            | MB %Recovery | MB Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 96           |              | 70 - 130 |     |       |   | 10/14/22 08:59 | 10/14/22 10:34 | 1       |
| o-Terphenyl                          | 108          |              | 70 - 130 |     |       |   | 10/14/22 08:59 | 10/14/22 10:34 | 1       |

Lab Sample ID: LCS 880-36937/2-A

Matrix: Solid

Analysis Batch: 36924

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 36937

| Analyte                              | Spike Added   | LCS Result    | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |  |  |
|--------------------------------------|---------------|---------------|---------------|-------|---|------|-------------|--|--|
| Gasoline Range Organics (GRO)-C6-C10 | 1000          | 834.9         |               | mg/Kg |   | 83   | 70 - 130    |  |  |
| Diesel Range Organics (Over C10-C28) | 1000          | 811.7         |               | mg/Kg |   | 81   | 70 - 130    |  |  |
| Surrogate                            | LCS %Recovery | LCS Qualifier | Limits        |       |   |      |             |  |  |
| 1-Chlorooctane                       | 75            |               | 70 - 130      |       |   |      |             |  |  |
| o-Terphenyl                          | 82            |               | 70 - 130      |       |   |      |             |  |  |

Lab Sample ID: LCSD 880-36937/3-A

Matrix: Solid

Analysis Batch: 36924

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 36937

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 847.6       |                | mg/Kg |   | 85   | 70 - 130    | 2   | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 824.3       |                | mg/Kg |   | 82   | 70 - 130    | 2   | 20        |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-20328-1  
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-36937/3-A

Matrix: Solid

Analysis Batch: 36924

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 36937

|                | LCSD      | LCSD      |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 73        |           | 70 - 130 |
| o-Terphenyl    | 80        |           | 70 - 130 |

Lab Sample ID: 880-20328-8 MS

Matrix: Solid

Analysis Batch: 36924

Client Sample ID: Background-1

Prep Type: Total/NA

Prep Batch: 36937

|                                      | Sample    | Sample    | Spike    | MS     | MS        |       |   |      | %Rec     |  |
|--------------------------------------|-----------|-----------|----------|--------|-----------|-------|---|------|----------|--|
| Analyte                              | Result    | Qualifier | Added    | Result | Qualifier | Unit  | D | %Rec | Limits   |  |
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U F2      | 998      | 903.9  |           | mg/Kg |   | 89   | 70 - 130 |  |
| Diesel Range Organics (Over C10-C28) | <49.8     | U F1      | 998      | 657.7  | F1        | mg/Kg |   | 66   | 70 - 130 |  |
|                                      | MS        | MS        |          |        |           |       |   |      |          |  |
| Surrogate                            | %Recovery | Qualifier | Limits   |        |           |       |   |      |          |  |
| 1-Chlorooctane                       | 64        | S1-       | 70 - 130 |        |           |       |   |      |          |  |
| o-Terphenyl                          | 59        | S1-       | 70 - 130 |        |           |       |   |      |          |  |

Lab Sample ID: 880-20328-8 MSD

Matrix: Solid

Analysis Batch: 36924

Client Sample ID: Background-1

Prep Type: Total/NA

Prep Batch: 36937

|                                      | Sample    | Sample    | Spike    | MSD    | MSD       |       |   |      | %Rec     |     | RPD   |  |
|--------------------------------------|-----------|-----------|----------|--------|-----------|-------|---|------|----------|-----|-------|--|
| Analyte                              | Result    | Qualifier | Added    | Result | Qualifier | Unit  | D | %Rec | Limits   | RPD | Limit |  |
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U F2      | 998      | 1217   | F2        | mg/Kg |   | 120  | 70 - 130 | 30  | 20    |  |
| Diesel Range Organics (Over C10-C28) | <49.8     | U F1      | 998      | 734.9  |           | mg/Kg |   | 74   | 70 - 130 | 11  | 20    |  |
|                                      | MSD       | MSD       |          |        |           |       |   |      |          |     |       |  |
| Surrogate                            | %Recovery | Qualifier | Limits   |        |           |       |   |      |          |     |       |  |
| 1-Chlorooctane                       | 73        |           | 70 - 130 |        |           |       |   |      |          |     |       |  |
| o-Terphenyl                          | 67        | S1-       | 70 - 130 |        |           |       |   |      |          |     |       |  |

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-36878/1-A

Matrix: Solid

Analysis Batch: 36948

Client Sample ID: Method Blank

Prep Type: Soluble

|          | MB     | MB        |      |     |       |   |          |                |         |  |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|--|
| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Chloride | <5.00  | U         | 5.00 |     | mg/Kg |   |          | 10/15/22 06:25 | 1       |  |

Lab Sample ID: LCS 880-36878/2-A

Matrix: Solid

Analysis Batch: 36948

Client Sample ID: Lab Control Sample

Prep Type: Soluble

|          | Spike | LCS    | LCS       |       |   |      |          |  | %Rec |  |
|----------|-------|--------|-----------|-------|---|------|----------|--|------|--|
| Analyte  | Added | Result | Qualifier | Unit  | D | %Rec | Limits   |  |      |  |
| Chloride | 250   | 268.1  |           | mg/Kg |   | 107  | 90 - 110 |  |      |  |

Eurofins Midland

## QC Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-20328-1  
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-36878/3-A

Matrix: Solid

Analysis Batch: 36948

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         | 269.1       |                | mg/Kg |   | 108  | 90 - 110    | 0   | 20        |

Lab Sample ID: 880-20320-A-31-C MS

Matrix: Solid

Analysis Batch: 36948

Client Sample ID: Matrix Spike

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|-----|-----------|
| Chloride | 15.7          |                  | 250         | 284.9     |              | mg/Kg |   | 108  | 90 - 110    |     |           |

Lab Sample ID: 880-20320-A-31-D MSD

Matrix: Solid

Analysis Batch: 36948

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 | 15.7          |                  | 250         | 285.5      |               | mg/Kg |   | 108  | 90 - 110    | 0   | 20        |

Lab Sample ID: MB 880-36880/1-A

Matrix: Solid

Analysis Batch: 36949

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 |   |          | 10/15/22 00:16 | 1       |

Lab Sample ID: LCS 880-36880/2-A

Matrix: Solid

Analysis Batch: 36949

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Chloride | 250         | 255.1      |               | mg/Kg |   | 102  | 90 - 110    |     |           |

Lab Sample ID: LCSD 880-36880/3-A

Matrix: Solid

Analysis Batch: 36949

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         | 273.8       |                | mg/Kg |   | 110  | 90 - 110    | 7   | 20        |

Lab Sample ID: 880-20328-8 MS

Matrix: Solid

Analysis Batch: 36949

Client Sample ID: Background-1

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|-----|-----------|
| Chloride | 20.9          |                  | 252         | 285.8     |              | mg/Kg |   | 105  | 90 - 110    |     |           |

Lab Sample ID: 880-20328-8 MSD

Matrix: Solid

Analysis Batch: 36949

Client Sample ID: Background-1

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Chloride | 20.9          |                  | 252         | 274.2      |               | mg/Kg |   | 100  | 90 - 110    | 4   | 20        |

Eurofins Midland

## QC Association Summary

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-20328-1  
SDG: Eddy County, New Mexico

## GC VOA

## Prep Batch: 36687

| Lab Sample ID    | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| MB 880-36687/5-A | Method Blank     | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 36926

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-20328-1        | H-1 (0-0.5')           | Total/NA  | Solid  | 8021B  | 36943      |
| 880-20328-2        | H-2 (0-0.5')           | Total/NA  | Solid  | 8021B  | 36943      |
| 880-20328-3        | H-3 (0-0.5')           | Total/NA  | Solid  | 8021B  | 36943      |
| 880-20328-4        | H-4 (0-0.5')           | Total/NA  | Solid  | 8021B  | 36943      |
| 880-20328-5        | H-5 (0-0.5')           | Total/NA  | Solid  | 8021B  | 36943      |
| 880-20328-6        | H-6 (0-0.5')           | Total/NA  | Solid  | 8021B  | 36943      |
| 880-20328-7        | H-7 (0-0.5')           | Total/NA  | Solid  | 8021B  | 36943      |
| 880-20328-8        | Background-1           | Total/NA  | Solid  | 8021B  | 36943      |
| MB 880-36687/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 36687      |
| MB 880-36943/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 36943      |
| LCS 880-36943/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 36943      |
| LCSD 880-36943/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 36943      |
| 890-3178-A-1-C MS  | Matrix Spike           | Total/NA  | Solid  | 8021B  | 36943      |
| 890-3178-A-1-D MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8021B  | 36943      |

## Prep Batch: 36943

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-20328-1        | H-1 (0-0.5')           | Total/NA  | Solid  | 5035   |            |
| 880-20328-2        | H-2 (0-0.5')           | Total/NA  | Solid  | 5035   |            |
| 880-20328-3        | H-3 (0-0.5')           | Total/NA  | Solid  | 5035   |            |
| 880-20328-4        | H-4 (0-0.5')           | Total/NA  | Solid  | 5035   |            |
| 880-20328-5        | H-5 (0-0.5')           | Total/NA  | Solid  | 5035   |            |
| 880-20328-6        | H-6 (0-0.5')           | Total/NA  | Solid  | 5035   |            |
| 880-20328-7        | H-7 (0-0.5')           | Total/NA  | Solid  | 5035   |            |
| 880-20328-8        | Background-1           | Total/NA  | Solid  | 5035   |            |
| MB 880-36943/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-36943/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-36943/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 890-3178-A-1-C MS  | Matrix Spike           | Total/NA  | Solid  | 5035   |            |
| 890-3178-A-1-D MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 37124

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 880-20328-1   | H-1 (0-0.5')     | Total/NA  | Solid  | Total BTEX |            |
| 880-20328-2   | H-2 (0-0.5')     | Total/NA  | Solid  | Total BTEX |            |
| 880-20328-3   | H-3 (0-0.5')     | Total/NA  | Solid  | Total BTEX |            |
| 880-20328-4   | H-4 (0-0.5')     | Total/NA  | Solid  | Total BTEX |            |
| 880-20328-5   | H-5 (0-0.5')     | Total/NA  | Solid  | Total BTEX |            |
| 880-20328-6   | H-6 (0-0.5')     | Total/NA  | Solid  | Total BTEX |            |
| 880-20328-7   | H-7 (0-0.5')     | Total/NA  | Solid  | Total BTEX |            |
| 880-20328-8   | Background-1     | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Prep Batch: 36849

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method      | Prep Batch |
|---------------|------------------|-----------|--------|-------------|------------|
| 880-20328-1   | H-1 (0-0.5')     | Total/NA  | Solid  | 8015NM Prep |            |

Eurofins Midland

## QC Association Summary

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-20328-1  
SDG: Eddy County, New Mexico

## GC Semi VOA (Continued)

## Prep Batch: 36849 (Continued)

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 880-20328-2        | H-2 (0-0.5')           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-20328-3        | H-3 (0-0.5')           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-20328-4        | H-4 (0-0.5')           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-20328-5        | H-5 (0-0.5')           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-20328-6        | H-6 (0-0.5')           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-20328-7        | H-7 (0-0.5')           | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-36849/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-36849/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-36849/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-20328-1 MS     | H-1 (0-0.5')           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-20328-1 MSD    | H-1 (0-0.5')           | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 36918

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-20328-1        | H-1 (0-0.5')           | Total/NA  | Solid  | 8015B NM | 36849      |
| 880-20328-2        | H-2 (0-0.5')           | Total/NA  | Solid  | 8015B NM | 36849      |
| 880-20328-3        | H-3 (0-0.5')           | Total/NA  | Solid  | 8015B NM | 36849      |
| 880-20328-4        | H-4 (0-0.5')           | Total/NA  | Solid  | 8015B NM | 36849      |
| 880-20328-5        | H-5 (0-0.5')           | Total/NA  | Solid  | 8015B NM | 36849      |
| 880-20328-6        | H-6 (0-0.5')           | Total/NA  | Solid  | 8015B NM | 36849      |
| 880-20328-7        | H-7 (0-0.5')           | Total/NA  | Solid  | 8015B NM | 36849      |
| MB 880-36849/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 36849      |
| LCS 880-36849/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 36849      |
| LCSD 880-36849/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 36849      |
| 880-20328-1 MS     | H-1 (0-0.5')           | Total/NA  | Solid  | 8015B NM | 36849      |
| 880-20328-1 MSD    | H-1 (0-0.5')           | Total/NA  | Solid  | 8015B NM | 36849      |

## Analysis Batch: 36924

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-20328-8        | Background-1           | Total/NA  | Solid  | 8015B NM | 36937      |
| MB 880-36937/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 36937      |
| LCS 880-36937/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 36937      |
| LCSD 880-36937/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 36937      |
| 880-20328-8 MS     | Background-1           | Total/NA  | Solid  | 8015B NM | 36937      |
| 880-20328-8 MSD    | Background-1           | Total/NA  | Solid  | 8015B NM | 36937      |

## Prep Batch: 36937

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 880-20328-8        | Background-1           | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-36937/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-36937/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-36937/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-20328-8 MS     | Background-1           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-20328-8 MSD    | Background-1           | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 37049

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-20328-1   | H-1 (0-0.5')     | Total/NA  | Solid  | 8015 NM |            |
| 880-20328-2   | H-2 (0-0.5')     | Total/NA  | Solid  | 8015 NM |            |
| 880-20328-3   | H-3 (0-0.5')     | Total/NA  | Solid  | 8015 NM |            |
| 880-20328-4   | H-4 (0-0.5')     | Total/NA  | Solid  | 8015 NM |            |

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-20328-1  
SDG: Eddy County, New Mexico

## GC Semi VOA (Continued)

## Analysis Batch: 37049 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-20328-5   | H-5 (0-0.5')     | Total/NA  | Solid  | 8015 NM |            |
| 880-20328-6   | H-6 (0-0.5')     | Total/NA  | Solid  | 8015 NM |            |
| 880-20328-7   | H-7 (0-0.5')     | Total/NA  | Solid  | 8015 NM |            |
| 880-20328-8   | Background-1     | Total/NA  | Solid  | 8015 NM |            |

## HPLC/IC

## Leach Batch: 36878

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|----------------------|------------------------|-----------|--------|----------|------------|
| 880-20328-1          | H-1 (0-0.5')           | Soluble   | Solid  | DI Leach |            |
| 880-20328-2          | H-2 (0-0.5')           | Soluble   | Solid  | DI Leach |            |
| 880-20328-3          | H-3 (0-0.5')           | Soluble   | Solid  | DI Leach |            |
| 880-20328-4          | H-4 (0-0.5')           | Soluble   | Solid  | DI Leach |            |
| 880-20328-5          | H-5 (0-0.5')           | Soluble   | Solid  | DI Leach |            |
| 880-20328-6          | H-6 (0-0.5')           | Soluble   | Solid  | DI Leach |            |
| 880-20328-7          | H-7 (0-0.5')           | Soluble   | Solid  | DI Leach |            |
| MB 880-36878/1-A     | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-36878/2-A    | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-36878/3-A   | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-20320-A-31-C MS  | Matrix Spike           | Soluble   | Solid  | DI Leach |            |
| 880-20320-A-31-D MSD | Matrix Spike Duplicate | Soluble   | Solid  | DI Leach |            |

## Leach Batch: 36880

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-20328-8        | Background-1           | Soluble   | Solid  | DI Leach |            |
| MB 880-36880/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-36880/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-36880/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-20328-8 MS     | Background-1           | Soluble   | Solid  | DI Leach |            |
| 880-20328-8 MSD    | Background-1           | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 36948

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 880-20328-1          | H-1 (0-0.5')           | Soluble   | Solid  | 300.0  | 36878      |
| 880-20328-2          | H-2 (0-0.5')           | Soluble   | Solid  | 300.0  | 36878      |
| 880-20328-3          | H-3 (0-0.5')           | Soluble   | Solid  | 300.0  | 36878      |
| 880-20328-4          | H-4 (0-0.5')           | Soluble   | Solid  | 300.0  | 36878      |
| 880-20328-5          | H-5 (0-0.5')           | Soluble   | Solid  | 300.0  | 36878      |
| 880-20328-6          | H-6 (0-0.5')           | Soluble   | Solid  | 300.0  | 36878      |
| 880-20328-7          | H-7 (0-0.5')           | Soluble   | Solid  | 300.0  | 36878      |
| MB 880-36878/1-A     | Method Blank           | Soluble   | Solid  | 300.0  | 36878      |
| LCS 880-36878/2-A    | Lab Control Sample     | Soluble   | Solid  | 300.0  | 36878      |
| LCSD 880-36878/3-A   | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 36878      |
| 880-20320-A-31-C MS  | Matrix Spike           | Soluble   | Solid  | 300.0  | 36878      |
| 880-20320-A-31-D MSD | Matrix Spike Duplicate | Soluble   | Solid  | 300.0  | 36878      |

## Analysis Batch: 36949

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 880-20328-8       | Background-1       | Soluble   | Solid  | 300.0  | 36880      |
| MB 880-36880/1-A  | Method Blank       | Soluble   | Solid  | 300.0  | 36880      |
| LCS 880-36880/2-A | Lab Control Sample | Soluble   | Solid  | 300.0  | 36880      |

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QC Association Summary

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-20328-1  
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 36949 (Continued)

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| LCSD 880-36880/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 36880      |
| 880-20328-8 MS     | Background-1           | Soluble   | Solid  | 300.0  | 36880      |
| 880-20328-8 MSD    | Background-1           | Soluble   | Solid  | 300.0  | 36880      |

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Lab Chronicle

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-20328-1  
SDG: Eddy County, New Mexico

Client Sample ID: H-1 (0-0.5')  
Date Collected: 10/12/22 00:00  
Date Received: 10/13/22 08:46

Lab Sample ID: 880-20328-1  
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         | 36943        | 10/14/22 10:26       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 36926        | 10/15/22 13:14       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 37124        | 10/17/22 10:10       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 37049        | 10/17/22 08:55       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 36849        | 10/13/22 10:24       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 36918        | 10/14/22 20:40       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5 g            | 50 mL        | 36878        | 10/13/22 11:53       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 36948        | 10/15/22 16:12       | CH      | EET MID |

Client Sample ID: H-2 (0-0.5')  
Date Collected: 10/12/22 00:00  
Date Received: 10/13/22 08:46

Lab Sample ID: 880-20328-2  
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         | 36943        | 10/14/22 10:26       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 36926        | 10/15/22 13:34       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 37124        | 10/17/22 10:10       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 37049        | 10/17/22 08:55       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 36849        | 10/13/22 10:24       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 36918        | 10/14/22 21:44       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5 g            | 50 mL        | 36878        | 10/13/22 11:53       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 36948        | 10/15/22 16:17       | CH      | EET MID |

Client Sample ID: H-3 (0-0.5')  
Date Collected: 10/12/22 00:00  
Date Received: 10/13/22 08:46

Lab Sample ID: 880-20328-3  
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         | 36943        | 10/14/22 10:26       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 36926        | 10/15/22 13:55       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 37124        | 10/17/22 10:10       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 37049        | 10/17/22 08:55       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 36849        | 10/13/22 10:24       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 36918        | 10/14/22 22:06       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 36878        | 10/13/22 11:53       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 36948        | 10/15/22 16:22       | CH      | EET MID |

Client Sample ID: H-4 (0-0.5')  
Date Collected: 10/12/22 00:00  
Date Received: 10/13/22 08:46

Lab Sample ID: 880-20328-4  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 36943        | 10/14/22 10:26       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 36926        | 10/15/22 14:15       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 37124        | 10/17/22 10:10       | AJ      | EET MID |

Eurofins Midland

Lab Chronicle

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-20328-1  
SDG: Eddy County, New Mexico

Client Sample ID: H-4 (0-0.5')  
Date Collected: 10/12/22 00:00  
Date Received: 10/13/22 08:46

Lab Sample ID: 880-20328-4  
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          |                |              | 37049        | 10/17/22 08:55       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 36849        | 10/13/22 10:24       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 36918        | 10/14/22 22:27       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 36878        | 10/13/22 11:53       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 36948        | 10/15/22 16:27       | CH      | EET MID |

Client Sample ID: H-5 (0-0.5')  
Date Collected: 10/12/22 00:00  
Date Received: 10/13/22 08:46

Lab Sample ID: 880-20328-5  
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         |     |            | 5.01 g         | 5 mL         | 36943        | 10/14/22 10:26       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 36926        | 10/15/22 14:36       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 37124        | 10/17/22 10:10       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 37049        | 10/17/22 08:55       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 36849        | 10/13/22 10:24       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 36918        | 10/14/22 22:49       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 36878        | 10/13/22 11:53       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 36948        | 10/15/22 16:32       | CH      | EET MID |

Client Sample ID: H-6 (0-0.5')  
Date Collected: 10/12/22 00:00  
Date Received: 10/13/22 08:46

Lab Sample ID: 880-20328-6  
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         |     |            | 5.02 g         | 5 mL         | 36943        | 10/14/22 10:26       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 36926        | 10/15/22 14:57       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 37124        | 10/17/22 10:10       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 37049        | 10/17/22 08:55       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 36849        | 10/13/22 10:24       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 36918        | 10/14/22 23:11       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 36878        | 10/13/22 11:53       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 36948        | 10/15/22 16:37       | CH      | EET MID |

Client Sample ID: H-7 (0-0.5')  
Date Collected: 10/12/22 00:00  
Date Received: 10/13/22 08:46

Lab Sample ID: 880-20328-7  
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         |     |            | 4.97 g         | 5 mL         | 36943        | 10/14/22 10:26       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 36926        | 10/15/22 15:17       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 37124        | 10/17/22 10:10       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 37049        | 10/17/22 08:55       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 36849        | 10/13/22 10:24       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 36918        | 10/14/22 23:33       | SM      | EET MID |

Eurofins Midland

Lab Chronicle

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-20328-1  
SDG: Eddy County, New Mexico

Client Sample ID: H-7 (0-0.5')  
Date Collected: 10/12/22 00:00  
Date Received: 10/13/22 08:46

Lab Sample ID: 880-20328-7  
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     |     |            | 5.05 g         | 50 mL        | 36878        | 10/13/22 11:53       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 36948        | 10/15/22 16:41       | CH      | EET MID |

Client Sample ID: Background-1  
Date Collected: 10/12/22 00:00  
Date Received: 10/13/22 08:46

Lab Sample ID: 880-20328-8  
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         |     |            | 5.01 g         | 5 mL         | 36943        | 10/14/22 10:26       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 36926        | 10/15/22 15:38       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 37124        | 10/17/22 10:10       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 37049        | 10/17/22 08:55       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 36937        | 10/14/22 08:59       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 36924        | 10/14/22 11:38       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 36880        | 10/13/22 11:57       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 36949        | 10/15/22 00:31       | 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: Cooper 31 1H (09.26.22)

Job ID: 880-20328-1  
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       | T104704400-22-24      | 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                           |

Method Summary

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-20328-1  
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         | 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

Sample Summary

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-20328-1  
SDG: Eddy County, New Mexico

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 880-20328-1   | H-1 (0-0.5')     | Solid  | 10/12/22 00:00 | 10/13/22 08:46 |
| 880-20328-2   | H-2 (0-0.5')     | Solid  | 10/12/22 00:00 | 10/13/22 08:46 |
| 880-20328-3   | H-3 (0-0.5')     | Solid  | 10/12/22 00:00 | 10/13/22 08:46 |
| 880-20328-4   | H-4 (0-0.5')     | Solid  | 10/12/22 00:00 | 10/13/22 08:46 |
| 880-20328-5   | H-5 (0-0.5')     | Solid  | 10/12/22 00:00 | 10/13/22 08:46 |
| 880-20328-6   | H-6 (0-0.5')     | Solid  | 10/12/22 00:00 | 10/13/22 08:46 |
| 880-20328-7   | H-7 (0-0.5')     | Solid  | 10/12/22 00:00 | 10/13/22 08:46 |
| 880-20328-8   | Background-1     | Solid  | 10/12/22 00:00 | 10/13/22 08:46 |



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Work Order No: 20328

Page 1 of 1

|                 |                       |                         |                                  |
|-----------------|-----------------------|-------------------------|----------------------------------|
| Project Manager | Conner Moehring       | Bill to: (if different) | Jacqui Harris                    |
| Company Name    | Camrona 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 86258                 |
| 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 <input type="checkbox"/> Pertund <input type="checkbox"/>      |  |
| State of Project:                                                                                                                                                             |  |
| Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> Prp <input type="checkbox"/> Level IV <input type="checkbox"/> |  |
| Deliverables EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other                                                                                                |  |

|                      |                                                                     |                                                                           |                                                                     |                  |                                                                     |                             |  |  |  |  |  |  |  |  |  |                                               |                           |                                                                 |
|----------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------|------------------|---------------------------------------------------------------------|-----------------------------|--|--|--|--|--|--|--|--|--|-----------------------------------------------|---------------------------|-----------------------------------------------------------------|
| Project Name         | Cooper 31 1H (09.26.22)                                             | Turn Around                                                               | Pres. Code                                                          | ANALYSIS REQUEST |                                                                     |                             |  |  |  |  |  |  |  |  |  | Preservative Codes                            |                           |                                                                 |
| Project Number       | 1141                                                                | <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                   |                                                                 |
| Samplers Name        | CRM                                                                 | 72 Hours                                                                  |                                                                     |                  |                                                                     |                             |  |  |  |  |  |  |  |  |  | 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"/> | Wet Ice          | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Parameters                  |  |  |  |  |  |  |  |  |  |                                               |                           | H <sub>3</sub> PO <sub>4</sub> HP                               |
| Received Intact      | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Thermometer ID                                                            |                                                                     |                  |                                                                     | BTX 8021B                   |  |  |  |  |  |  |  |  |  |                                               |                           | NaHSO <sub>4</sub> NABIS                                        |
| Cooler Custody Seals | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Correction Factor                                                         |                                                                     |                  |                                                                     | TPH 8015M (GRO + DRO + MRO) |  |  |  |  |  |  |  |  |  |                                               |                           | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> NaSO <sub>3</sub> |
| Sample Custody Seals | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Temperature Reading                                                       |                                                                     |                  |                                                                     | Chloride 300.0              |  |  |  |  |  |  |  |  |  |                                               |                           | Zn Acetate+NaOH Zn                                              |
| Total Containers     |                                                                     | Corrected Temperature                                                     |                                                                     |                  |                                                                     |                             |  |  |  |  |  |  |  |  |  |                                               |                           | NaOH+Ascorbic Acid S APC                                        |

|                       |            |      |      |       |           |           |   |   |   |  |  |  |  |  |  |  |  |  |                 |
|-----------------------|------------|------|------|-------|-----------|-----------|---|---|---|--|--|--|--|--|--|--|--|--|-----------------|
| Sample Identification | Date       | Time | Soil | Water | Grab/Comp | # of Cont |   |   |   |  |  |  |  |  |  |  |  |  | Sample Comments |
| H-1 (0-0.5')          | 10/12/2022 |      | X    |       | G         | 1         | X | X | X |  |  |  |  |  |  |  |  |  |                 |
| H-2 (0-0.5')          | 10/12/2022 |      | X    |       | G         | 1         | X | X | X |  |  |  |  |  |  |  |  |  |                 |
| H-3 (0-0.5')          | 10/12/2022 |      | X    |       | G         | 1         | X | X | X |  |  |  |  |  |  |  |  |  |                 |
| H-4 (0-0.5')          | 10/12/2022 |      | X    |       | G         | 1         | X | X | X |  |  |  |  |  |  |  |  |  |                 |
| H-5 (0-0.5')          | 10/12/2022 |      | X    |       | G         | 1         | X | X | X |  |  |  |  |  |  |  |  |  |                 |
| H-6 (0-0.5')          | 10/12/2022 |      | X    |       | G         | 1         | X | X | X |  |  |  |  |  |  |  |  |  |                 |
| Background-1          | 10/12/2022 |      | X    |       | G         | 1         | X | X | X |  |  |  |  |  |  |  |  |  |                 |
| H-7 (0-0.5')          | 11         |      |      |       | G         | 1         | X | X | X |  |  |  |  |  |  |  |  |  |                 |



Comments:

|                             |              |                         |           |
|-----------------------------|--------------|-------------------------|-----------|
| Relinquished by (Signature) | Date/Time    | Received by (Signature) | Date/Time |
|                             | 10/12/22 846 |                         |           |

## Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-20328-1  
SDG Number: Eddy County, New Mexico

Login Number: 20328

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

| 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

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Conner Moehring  
Carmona Resources  
310 W Wall St  
Ste 500  
Midland, Texas 79701

Generated 12/12/2023 1:24:04 PM

## JOB DESCRIPTION

Cooper 31 1H (09.26.22)  
Eddy County, New Mexico

## JOB NUMBER

880-36711-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701



# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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



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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: Cooper 31 1H (09.26.22)

Laboratory Job ID: 880-36711-1  
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-36711-1  
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                                    |
|-----------|----------------------------------------------------------|
| 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: Cooper 31 1H (09.26.22)

Job ID: 880-36711-1  
SDG: Eddy County, New Mexico

**Job ID: 880-36711-1****Laboratory: Eurofins Midland****Narrative****Job Narrative  
880-36711-1**

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method. Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

**Receipt**

The samples were received on 12/8/2023 2:36 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

**Receipt Exceptions**

The following samples were received and analyzed from an unpreserved bulk soil jar: H-8 (0-0.5') (880-36711-1), H-9 (0-0.5') (880-36711-2) and H-10 (0-0.5') (880-36711-3).

**GC VOA**

Method 8021B: Surrogate recovery for the following sample was outside control limits: (890-5758-A-21-E MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (MB 880-68791/5-A). Evidence of matrix interferences is not obvious.

Method 8021B: The matrix spike (MS) recoveries for preparation batch 880-68791 and analytical batch 880-68757 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was 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: The surrogate recovery for the blank associated with preparation batch 880-68711 and analytical batch 880-68737 was outside the upper control limits.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: H-8 (0-0.5') (880-36711-1), H-9 (0-0.5') (880-36711-2), H-10 (0-0.5') (880-36711-3), (880-36709-A-1-B), (880-36709-A-1-C MS) and (880-36709-A-1-D MSD). 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: Cooper 31 1H (09.26.22)

Job ID: 880-36711-1  
SDG: Eddy County, New Mexico

Client Sample ID: H-8 (0-0.5')

Lab Sample ID: 880-36711-1

Date Collected: 12/06/23 00:00

Matrix: Solid

Date Received: 12/08/23 14:36

## 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 |   | 12/11/23 10:05 | 12/11/23 16:41 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 16:41 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 16:41 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 16:41 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 16:41 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 16:41 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 73        |           | 70 - 130 | 12/11/23 10:05 | 12/11/23 16:41 | 1       |
| 1,4-Difluorobenzene (Surr)  | 89        |           | 70 - 130 | 12/11/23 10:05 | 12/11/23 16:41 | 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 |   |          | 12/11/23 16:41 | 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 |   |          | 12/09/23 12:52 | 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 |   | 12/08/23 16:38 | 12/09/23 12:52 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 12/08/23 16:38 | 12/09/23 12:52 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 12/08/23 16:38 | 12/09/23 12:52 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 147       | S1+       | 70 - 130 | 12/08/23 16:38 | 12/09/23 12:52 | 1       |
| o-Terphenyl    | 136       | S1+       | 70 - 130 | 12/08/23 16:38 | 12/09/23 12:52 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 7.40   |           | 5.02 |     | mg/Kg |   |          | 12/09/23 05:05 | 1       |

Client Sample ID: H-9 (0-0.5')

Lab Sample ID: 880-36711-2

Date Collected: 12/06/23 00:00

Matrix: Solid

Date Received: 12/08/23 14:36

## 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 |   | 12/11/23 10:05 | 12/11/23 17:02 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 17:02 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 17:02 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 17:02 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 17:02 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 17:02 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 77        |           | 70 - 130 | 12/11/23 10:05 | 12/11/23 17:02 | 1       |
| 1,4-Difluorobenzene (Surr)  | 85        |           | 70 - 130 | 12/11/23 10:05 | 12/11/23 17:02 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-36711-1  
SDG: Eddy County, New Mexico

Client Sample ID: H-9 (0-0.5')

Lab Sample ID: 880-36711-2

Date Collected: 12/06/23 00:00

Matrix: Solid

Date Received: 12/08/23 14:36

## 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 |   |          | 12/11/23 17:02 | 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 |   |          | 12/09/23 13:14 | 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 |   | 12/08/23 16:38 | 12/09/23 13:14 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 12/08/23 16:38 | 12/09/23 13:14 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 12/08/23 16:38 | 12/09/23 13:14 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 133       | S1+       | 70 - 130 |     |       |   | 12/08/23 16:38 | 12/09/23 13:14 | 1       |
| o-Terphenyl                          | 125       |           | 70 - 130 |     |       |   | 12/08/23 16:38 | 12/09/23 13:14 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 47.3   |           | 4.99 |     | mg/Kg |   |          | 12/09/23 05:11 | 1       |

Client Sample ID: H-10 (0-0.5')

Lab Sample ID: 880-36711-3

Date Collected: 12/06/23 00:00

Matrix: Solid

Date Received: 12/08/23 14:36

## 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 |   | 12/11/23 10:05 | 12/11/23 17:22 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 17:22 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 17:22 | 1       |
| m-Xylene & p-Xylene         | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 17:22 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 17:22 | 1       |
| Xylenes, Total              | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 17:22 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 87        |           | 70 - 130 |     |       |   | 12/11/23 10:05 | 12/11/23 17:22 | 1       |
| 1,4-Difluorobenzene (Surr)  | 86        |           | 70 - 130 |     |       |   | 12/11/23 10:05 | 12/11/23 17:22 | 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 |   |          | 12/11/23 17:22 | 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 |   |          | 12/09/23 13:36 | 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 |   | 12/08/23 16:38 | 12/09/23 13:36 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 12/08/23 16:38 | 12/09/23 13:36 | 1       |

Eurofins Midland

Client Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-36711-1  
SDG: Eddy County, New Mexico

Client Sample ID: H-10 (0-0.5')  
Date Collected: 12/06/23 00:00  
Date Received: 12/08/23 14:36

Lab Sample ID: 880-36711-3  
Matrix: Solid

| 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)                                     | <50.0     | U         | 50.0     |     | mg/Kg |   | 12/08/23 16:38 | 12/09/23 13:36 | 1       |  |
| Surrogate                                                             | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |  |
| 1-Chlorooctane                                                        | 137       | S1+       | 70 - 130 |     |       |   | 12/08/23 16:38 | 12/09/23 13:36 | 1       |  |
| o-Terphenyl                                                           | 127       |           | 70 - 130 |     |       |   | 12/08/23 16:38 | 12/09/23 13:36 | 1       |  |

| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble |        |           |      |     |       |   |          |                |         |  |
|----------------------------------------------------------|--------|-----------|------|-----|-------|---|----------|----------------|---------|--|
| Analyte                                                  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Chloride                                                 | 168    |           | 4.98 |     | mg/Kg |   |          | 12/09/23 05:31 | 1       |  |

Surrogate Summary

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-36711-1  
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) |
| 880-36711-1                       | H-8 (0-0.5')           | 73                                             | 89                |
| 880-36711-2                       | H-9 (0-0.5')           | 77                                             | 85                |
| 880-36711-3                       | H-10 (0-0.5')          | 87                                             | 86                |
| 890-5758-A-21-E MS                | Matrix Spike           | 66 S1-                                         | 110               |
| 890-5758-A-21-F MSD               | Matrix Spike Duplicate | 102                                            | 111               |
| LCS 880-68791/1-A                 | Lab Control Sample     | 92                                             | 105               |
| LCSD 880-68791/2-A                | Lab Control Sample Dup | 96                                             | 109               |
| MB 880-68791/5-A                  | Method Blank           | 65 S1-                                         | 95                |
| 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) |
| 880-36709-A-1-C MS   | Matrix Spike           | 145 S1+                                        | 107               |
| 880-36709-A-1-D MSD  | Matrix Spike Duplicate | 143 S1+                                        | 110               |
| 880-36711-1          | H-8 (0-0.5')           | 147 S1+                                        | 136 S1+           |
| 880-36711-2          | H-9 (0-0.5')           | 133 S1+                                        | 125               |
| 880-36711-3          | H-10 (0-0.5')          | 137 S1+                                        | 127               |
| LCS 880-68711/2-A    | Lab Control Sample     | 113                                            | 128               |
| LCSD 880-68711/3-A   | Lab Control Sample Dup | 114                                            | 113               |
| MB 880-68711/1-A     | Method Blank           | 227 S1+                                        | 240 S1+           |
| Surrogate Legend     |                        |                                                |                   |
| 1CO = 1-Chlorooctane |                        |                                                |                   |
| OTPH = o-Terphenyl   |                        |                                                |                   |

QC Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-36711-1  
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

|                                 |              |              |          |     |       |   |                                |                |         |
|---------------------------------|--------------|--------------|----------|-----|-------|---|--------------------------------|----------------|---------|
| Lab Sample ID: MB 880-68791/5-A |              |              |          |     |       |   | Client Sample ID: Method Blank |                |         |
| Matrix: Solid                   |              |              |          |     |       |   | Prep Type: Total/NA            |                |         |
| Analysis Batch: 68757           |              |              |          |     |       |   | Prep Batch: 68791              |                |         |
| Analyte                         | MB Result    | MB Qualifier | RL       | MDL | Unit  | D | Prepared                       | Analyzed       | Dil Fac |
| Benzene                         | <0.00200     | U            | 0.00200  |     | mg/Kg |   | 12/11/23 10:05                 | 12/11/23 11:31 | 1       |
| Toluene                         | <0.00200     | U            | 0.00200  |     | mg/Kg |   | 12/11/23 10:05                 | 12/11/23 11:31 | 1       |
| Ethylbenzene                    | <0.00200     | U            | 0.00200  |     | mg/Kg |   | 12/11/23 10:05                 | 12/11/23 11:31 | 1       |
| m-Xylene & p-Xylene             | <0.00400     | U            | 0.00400  |     | mg/Kg |   | 12/11/23 10:05                 | 12/11/23 11:31 | 1       |
| o-Xylene                        | <0.00200     | U            | 0.00200  |     | mg/Kg |   | 12/11/23 10:05                 | 12/11/23 11:31 | 1       |
| Xylenes, Total                  | <0.00400     | U            | 0.00400  |     | mg/Kg |   | 12/11/23 10:05                 | 12/11/23 11:31 | 1       |
|                                 |              |              |          |     |       |   |                                |                |         |
| Surrogate                       | MB %Recovery | MB Qualifier | Limits   |     |       |   | Prepared                       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)     | 65           | S1-          | 70 - 130 |     |       |   | 12/11/23 10:05                 | 12/11/23 11:31 | 1       |
| 1,4-Difluorobenzene (Surr)      | 95           |              | 70 - 130 |     |       |   | 12/11/23 10:05                 | 12/11/23 11:31 | 1       |

|                                  |               |               |            |               |       |   |                                      |             |  |
|----------------------------------|---------------|---------------|------------|---------------|-------|---|--------------------------------------|-------------|--|
| Lab Sample ID: LCS 880-68791/1-A |               |               |            |               |       |   | Client Sample ID: Lab Control Sample |             |  |
| Matrix: Solid                    |               |               |            |               |       |   | Prep Type: Total/NA                  |             |  |
| Analysis Batch: 68757            |               |               |            |               |       |   | Prep Batch: 68791                    |             |  |
| Analyte                          |               | Spike Added   | LCS Result | LCS Qualifier | Unit  | D | %Rec                                 | %Rec Limits |  |
| Benzene                          |               | 0.100         | 0.08454    |               | mg/Kg |   | 85                                   | 70 - 130    |  |
| Toluene                          |               | 0.100         | 0.07955    |               | mg/Kg |   | 80                                   | 70 - 130    |  |
| Ethylbenzene                     |               | 0.100         | 0.08426    |               | mg/Kg |   | 84                                   | 70 - 130    |  |
| m-Xylene & p-Xylene              |               | 0.200         | 0.1722     |               | mg/Kg |   | 86                                   | 70 - 130    |  |
| o-Xylene                         |               | 0.100         | 0.08085    |               | mg/Kg |   | 81                                   | 70 - 130    |  |
|                                  |               |               |            |               |       |   |                                      |             |  |
| Surrogate                        | LCS %Recovery | LCS Qualifier | Limits     |               |       |   |                                      |             |  |
| 4-Bromofluorobenzene (Surr)      | 92            |               | 70 - 130   |               |       |   |                                      |             |  |
| 1,4-Difluorobenzene (Surr)       | 105           |               | 70 - 130   |               |       |   |                                      |             |  |

|                                   |                |                |             |                |       |   |                                          |             |     |       |
|-----------------------------------|----------------|----------------|-------------|----------------|-------|---|------------------------------------------|-------------|-----|-------|
| Lab Sample ID: LCSD 880-68791/2-A |                |                |             |                |       |   | Client Sample ID: Lab Control Sample Dup |             |     |       |
| Matrix: Solid                     |                |                |             |                |       |   | Prep Type: Total/NA                      |             |     |       |
| Analysis Batch: 68757             |                |                |             |                |       |   | Prep Batch: 68791                        |             |     |       |
| Analyte                           |                | Spike Added    | LCSD Result | LCSD Qualifier | Unit  | D | %Rec                                     | %Rec Limits | RPD | Limit |
| Benzene                           |                | 0.100          | 0.08183     |                | mg/Kg |   | 82                                       | 70 - 130    | 3   | 35    |
| Toluene                           |                | 0.100          | 0.07551     |                | mg/Kg |   | 76                                       | 70 - 130    | 5   | 35    |
| Ethylbenzene                      |                | 0.100          | 0.08096     |                | mg/Kg |   | 81                                       | 70 - 130    | 4   | 35    |
| m-Xylene & p-Xylene               |                | 0.200          | 0.1664      |                | mg/Kg |   | 83                                       | 70 - 130    | 3   | 35    |
| o-Xylene                          |                | 0.100          | 0.07847     |                | mg/Kg |   | 78                                       | 70 - 130    | 3   | 35    |
|                                   |                |                |             |                |       |   |                                          |             |     |       |
| Surrogate                         | LCSD %Recovery | LCSD Qualifier | Limits      |                |       |   |                                          |             |     |       |
| 4-Bromofluorobenzene (Surr)       | 96             |                | 70 - 130    |                |       |   |                                          |             |     |       |
| 1,4-Difluorobenzene (Surr)        | 109            |                | 70 - 130    |                |       |   |                                          |             |     |       |

|                                   |               |                  |             |           |              |       |                                |      |             |
|-----------------------------------|---------------|------------------|-------------|-----------|--------------|-------|--------------------------------|------|-------------|
| Lab Sample ID: 890-5758-A-21-E MS |               |                  |             |           |              |       | Client Sample ID: Matrix Spike |      |             |
| Matrix: Solid                     |               |                  |             |           |              |       | Prep Type: Total/NA            |      |             |
| Analysis Batch: 68757             |               |                  |             |           |              |       | Prep Batch: 68791              |      |             |
| Analyte                           | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D                              | %Rec | %Rec Limits |
| Benzene                           | <0.00199      | U                | 0.0998      | 0.08297   |              | mg/Kg |                                | 83   | 70 - 130    |
| Toluene                           | <0.00199      | U                | 0.0998      | 0.07320   |              | mg/Kg |                                | 73   | 70 - 130    |

Eurofins Midland

QC Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-36711-1  
SDG: Eddy County, New Mexico

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

Lab Sample ID: 890-5758-A-21-E MS  
Matrix: Solid  
Analysis Batch: 68757

Client Sample ID: Matrix Spike  
Prep Type: Total/NA  
Prep Batch: 68791

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|-----------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene                | <0.00199      | U F1             | 0.0998      | 0.06819   | F1           | mg/Kg |   | 68   | 70 - 130    |
| m-Xylene & p-Xylene         | <0.00398      | U F1             | 0.200       | 0.1297    | F1           | mg/Kg |   | 65   | 70 - 130    |
| o-Xylene                    | <0.00199      | U F1             | 0.0998      | 0.05938   | F1           | mg/Kg |   | 60   | 70 - 130    |
|                             |               |                  |             |           |              |       |   |      |             |
| Surrogate                   | MS %Recovery  | MS Qualifier     | Limits      |           |              |       |   |      |             |
| 4-Bromofluorobenzene (Surr) | 66            | S1-              | 70 - 130    |           |              |       |   |      |             |
| 1,4-Difluorobenzene (Surr)  | 110           |                  | 70 - 130    |           |              |       |   |      |             |

Lab Sample ID: 890-5758-A-21-F MSD  
Matrix: Solid  
Analysis Batch: 68757

Client Sample ID: Matrix Spike Duplicate  
Prep Type: Total/NA  
Prep Batch: 68791

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene                     | <0.00199      | U                | 0.0990      | 0.07061    |               | mg/Kg |   | 71   | 70 - 130    | 16  | 35        |
| Toluene                     | <0.00199      | U                | 0.0990      | 0.06891    |               | mg/Kg |   | 70   | 70 - 130    | 6   | 35        |
| Ethylbenzene                | <0.00199      | U F1             | 0.0990      | 0.07962    |               | mg/Kg |   | 80   | 70 - 130    | 15  | 35        |
| m-Xylene & p-Xylene         | <0.00398      | U F1             | 0.198       | 0.1605     |               | mg/Kg |   | 81   | 70 - 130    | 21  | 35        |
| o-Xylene                    | <0.00199      | U F1             | 0.0990      | 0.07563    |               | mg/Kg |   | 76   | 70 - 130    | 24  | 35        |
|                             |               |                  |             |            |               |       |   |      |             |     |           |
| Surrogate                   | MSD %Recovery | MSD Qualifier    | Limits      |            |               |       |   |      |             |     |           |
| 4-Bromofluorobenzene (Surr) | 102           |                  | 70 - 130    |            |               |       |   |      |             |     |           |
| 1,4-Difluorobenzene (Surr)  | 111           |                  | 70 - 130    |            |               |       |   |      |             |     |           |

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

Lab Sample ID: MB 880-68711/1-A  
Matrix: Solid  
Analysis Batch: 68737

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 68711

| 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 |   | 12/08/23 16:38 | 12/09/23 08:09 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0        | U            | 50.0     |     | mg/Kg |   | 12/08/23 16:38 | 12/09/23 08:09 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0        | U            | 50.0     |     | mg/Kg |   | 12/08/23 16:38 | 12/09/23 08:09 | 1       |
|                                      |              |              |          |     |       |   |                |                |         |
| Surrogate                            | MB %Recovery | MB Qualifier | Limits   |     |       |   |                |                |         |
| 1-Chlorooctane                       | 227          | S1+          | 70 - 130 |     |       |   |                |                |         |
| o-Terphenyl                          | 240          | S1+          | 70 - 130 |     |       |   |                |                |         |

Lab Sample ID: LCS 880-68711/2-A  
Matrix: Solid  
Analysis Batch: 68737

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 68711

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1133       |               | mg/Kg |   | 113  | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1000        | 1131       |               | mg/Kg |   | 113  | 70 - 130    |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-36711-1  
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-68711/2-A

Matrix: Solid

Analysis Batch: 68737

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 68711

|                | LCS       | LCS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 113       |           | 70 - 130 |
| o-Terphenyl    | 128       |           | 70 - 130 |

Lab Sample ID: LCSD 880-68711/3-A

Matrix: Solid

Analysis Batch: 68737

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 68711

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1109        |                | mg/Kg |   | 111  | 70 - 130    | 2   | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 1115        |                | mg/Kg |   | 112  | 70 - 130    | 1   | 20        |

|                | LCSD      | LCSD      |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 114       |           | 70 - 130 |
| o-Terphenyl    | 113       |           | 70 - 130 |

Lab Sample ID: 880-36709-A-1-C MS

Matrix: Solid

Analysis Batch: 68737

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 68711

| 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 | <49.5         | U                | 1010        | 900.9     |              | mg/Kg |   | 87   | 70 - 130    |     |           |
| Diesel Range Organics (Over C10-C28) | <49.5         | U                | 1010        | 1304      |              | mg/Kg |   | 127  | 70 - 130    |     |           |

|                | MS        | MS        |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 145       | S1+       | 70 - 130 |
| o-Terphenyl    | 107       |           | 70 - 130 |

Lab Sample ID: 880-36709-A-1-D MSD

Matrix: Solid

Analysis Batch: 68737

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 68711

| 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 | <49.5         | U                | 1010        | 942.7      |               | mg/Kg |   | 91   | 70 - 130    | 5   | 20        |
| Diesel Range Organics (Over C10-C28) | <49.5         | U                | 1010        | 1337       |               | mg/Kg |   | 130  | 70 - 130    | 2   | 20        |

|                | MSD       | MSD       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 143       | S1+       | 70 - 130 |
| o-Terphenyl    | 110       |           | 70 - 130 |

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QC Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-36711-1  
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

|                                                                           |           |              |      |     |       |   |          |                |         |                                                      |  |
|---------------------------------------------------------------------------|-----------|--------------|------|-----|-------|---|----------|----------------|---------|------------------------------------------------------|--|
| Lab Sample ID: MB 880-68697/1-A<br>Matrix: Solid<br>Analysis Batch: 68724 |           |              |      |     |       |   |          |                |         | Client Sample ID: Method Blank<br>Prep Type: Soluble |  |
| Analyte                                                                   | MB Result | MB Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |                                                      |  |
| Chloride                                                                  | <5.00     | U            | 5.00 |     | mg/Kg |   |          | 12/09/23 02:55 | 1       |                                                      |  |

|                                                                            |  |  |             |            |               |       |   |      |             |                                                            |  |
|----------------------------------------------------------------------------|--|--|-------------|------------|---------------|-------|---|------|-------------|------------------------------------------------------------|--|
| Lab Sample ID: LCS 880-68697/2-A<br>Matrix: Solid<br>Analysis Batch: 68724 |  |  |             |            |               |       |   |      |             | Client Sample ID: Lab Control Sample<br>Prep Type: Soluble |  |
| Analyte                                                                    |  |  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |                                                            |  |
| Chloride                                                                   |  |  | 250         | 258.2      |               | mg/Kg |   | 103  | 90 - 110    |                                                            |  |

|                                                                             |  |  |             |             |                |       |   |      |             |                                                                |           |
|-----------------------------------------------------------------------------|--|--|-------------|-------------|----------------|-------|---|------|-------------|----------------------------------------------------------------|-----------|
| Lab Sample ID: LCSD 880-68697/3-A<br>Matrix: Solid<br>Analysis Batch: 68724 |  |  |             |             |                |       |   |      |             | Client Sample ID: Lab Control Sample Dup<br>Prep Type: Soluble |           |
| Analyte                                                                     |  |  | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD                                                            | RPD Limit |
| Chloride                                                                    |  |  | 250         | 256.9       |                | mg/Kg |   | 103  | 90 - 110    | 0                                                              | 20        |

|                                                                              |               |                  |             |           |              |       |   |      |             |                                                      |  |
|------------------------------------------------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|------------------------------------------------------|--|
| Lab Sample ID: 880-36710-A-20-B MS<br>Matrix: Solid<br>Analysis Batch: 68724 |               |                  |             |           |              |       |   |      |             | Client Sample ID: Matrix Spike<br>Prep Type: Soluble |  |
| Analyte                                                                      | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |                                                      |  |
| Chloride                                                                     | 77.3          |                  | 253         | 332.9     |              | mg/Kg |   | 101  | 90 - 110    |                                                      |  |

|                                                                               |               |                  |             |            |               |       |   |      |             |                                                                |           |
|-------------------------------------------------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|----------------------------------------------------------------|-----------|
| Lab Sample ID: 880-36710-A-20-C MSD<br>Matrix: Solid<br>Analysis Batch: 68724 |               |                  |             |            |               |       |   |      |             | Client Sample ID: Matrix Spike Duplicate<br>Prep Type: Soluble |           |
| Analyte                                                                       | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD                                                            | RPD Limit |
| Chloride                                                                      | 77.3          |                  | 253         | 332.5      |               | mg/Kg |   | 101  | 90 - 110    | 0                                                              | 20        |

QC Association Summary

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-36711-1  
SDG: Eddy County, New Mexico

GC VOA

Analysis Batch: 68757

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-36711-1         | H-8 (0-0.5')           | Total/NA  | Solid  | 8021B  | 68791      |
| 880-36711-2         | H-9 (0-0.5')           | Total/NA  | Solid  | 8021B  | 68791      |
| 880-36711-3         | H-10 (0-0.5')          | Total/NA  | Solid  | 8021B  | 68791      |
| MB 880-68791/5-A    | Method Blank           | Total/NA  | Solid  | 8021B  | 68791      |
| LCS 880-68791/1-A   | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 68791      |
| LCSD 880-68791/2-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 68791      |
| 890-5758-A-21-E MS  | Matrix Spike           | Total/NA  | Solid  | 8021B  | 68791      |
| 890-5758-A-21-F MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8021B  | 68791      |

Prep Batch: 68791

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-36711-1         | H-8 (0-0.5')           | Total/NA  | Solid  | 5035   |            |
| 880-36711-2         | H-9 (0-0.5')           | Total/NA  | Solid  | 5035   |            |
| 880-36711-3         | H-10 (0-0.5')          | Total/NA  | Solid  | 5035   |            |
| MB 880-68791/5-A    | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-68791/1-A   | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-68791/2-A  | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 890-5758-A-21-E MS  | Matrix Spike           | Total/NA  | Solid  | 5035   |            |
| 890-5758-A-21-F MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 5035   |            |

Analysis Batch: 68932

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 880-36711-1   | H-8 (0-0.5')     | Total/NA  | Solid  | Total BTEX |            |
| 880-36711-2   | H-9 (0-0.5')     | Total/NA  | Solid  | Total BTEX |            |
| 880-36711-3   | H-10 (0-0.5')    | Total/NA  | Solid  | Total BTEX |            |

GC Semi VOA

Prep Batch: 68711

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 880-36711-1         | H-8 (0-0.5')           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-36711-2         | H-9 (0-0.5')           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-36711-3         | H-10 (0-0.5')          | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-68711/1-A    | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-68711/2-A   | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-68711/3-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-36709-A-1-C MS  | Matrix Spike           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-36709-A-1-D MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015NM Prep |            |

Analysis Batch: 68737

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-36711-1         | H-8 (0-0.5')           | Total/NA  | Solid  | 8015B NM | 68711      |
| 880-36711-2         | H-9 (0-0.5')           | Total/NA  | Solid  | 8015B NM | 68711      |
| 880-36711-3         | H-10 (0-0.5')          | Total/NA  | Solid  | 8015B NM | 68711      |
| MB 880-68711/1-A    | Method Blank           | Total/NA  | Solid  | 8015B NM | 68711      |
| LCS 880-68711/2-A   | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 68711      |
| LCSD 880-68711/3-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 68711      |
| 880-36709-A-1-C MS  | Matrix Spike           | Total/NA  | Solid  | 8015B NM | 68711      |
| 880-36709-A-1-D MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015B NM | 68711      |

QC Association Summary

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-36711-1  
SDG: Eddy County, New Mexico

GC Semi VOA

Analysis Batch: 68814

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-36711-1   | H-8 (0-0.5')     | Total/NA  | Solid  | 8015 NM |            |
| 880-36711-2   | H-9 (0-0.5')     | Total/NA  | Solid  | 8015 NM |            |
| 880-36711-3   | H-10 (0-0.5')    | Total/NA  | Solid  | 8015 NM |            |

HPLC/IC

Leach Batch: 68697

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|----------------------|------------------------|-----------|--------|----------|------------|
| 880-36711-1          | H-8 (0-0.5')           | Soluble   | Solid  | DI Leach |            |
| 880-36711-2          | H-9 (0-0.5')           | Soluble   | Solid  | DI Leach |            |
| 880-36711-3          | H-10 (0-0.5')          | Soluble   | Solid  | DI Leach |            |
| MB 880-68697/1-A     | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-68697/2-A    | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-68697/3-A   | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-36710-A-20-B MS  | Matrix Spike           | Soluble   | Solid  | DI Leach |            |
| 880-36710-A-20-C MSD | Matrix Spike Duplicate | Soluble   | Solid  | DI Leach |            |

Analysis Batch: 68724

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 880-36711-1          | H-8 (0-0.5')           | Soluble   | Solid  | 300.0  | 68697      |
| 880-36711-2          | H-9 (0-0.5')           | Soluble   | Solid  | 300.0  | 68697      |
| 880-36711-3          | H-10 (0-0.5')          | Soluble   | Solid  | 300.0  | 68697      |
| MB 880-68697/1-A     | Method Blank           | Soluble   | Solid  | 300.0  | 68697      |
| LCS 880-68697/2-A    | Lab Control Sample     | Soluble   | Solid  | 300.0  | 68697      |
| LCSD 880-68697/3-A   | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 68697      |
| 880-36710-A-20-B MS  | Matrix Spike           | Soluble   | Solid  | 300.0  | 68697      |
| 880-36710-A-20-C MSD | Matrix Spike Duplicate | Soluble   | Solid  | 300.0  | 68697      |

Lab Chronicle

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-36711-1  
SDG: Eddy County, New Mexico

Client Sample ID: H-8 (0-0.5')  
Date Collected: 12/06/23 00:00  
Date Received: 12/08/23 14:36

Lab Sample ID: 880-36711-1  
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         | 68791        | 12/11/23 10:05       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 68757        | 12/11/23 16:41       | SM      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 68932        | 12/11/23 16:41       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 68814        | 12/09/23 12:52       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 68711        | 12/08/23 16:38       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 68737        | 12/09/23 12:52       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 68697        | 12/08/23 15:14       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 68724        | 12/09/23 05:05       | CH      | EET MID |

Client Sample ID: H-9 (0-0.5')  
Date Collected: 12/06/23 00:00  
Date Received: 12/08/23 14:36

Lab Sample ID: 880-36711-2  
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         | 68791        | 12/11/23 10:05       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 68757        | 12/11/23 17:02       | SM      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 68932        | 12/11/23 17:02       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 68814        | 12/09/23 13:14       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 68711        | 12/08/23 16:38       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 68737        | 12/09/23 13:14       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 68697        | 12/08/23 15:14       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 68724        | 12/09/23 05:11       | CH      | EET MID |

Client Sample ID: H-10 (0-0.5')  
Date Collected: 12/06/23 00:00  
Date Received: 12/08/23 14:36

Lab Sample ID: 880-36711-3  
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         | 68791        | 12/11/23 10:05       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 68757        | 12/11/23 17:22       | SM      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 68932        | 12/11/23 17:22       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 68814        | 12/09/23 13:36       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 68711        | 12/08/23 16:38       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 68737        | 12/09/23 13:36       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 68697        | 12/08/23 15:14       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 68724        | 12/09/23 05:31       | 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: Cooper 31 1H (09.26.22)

Job ID: 880-36711-1  
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       | T104704400-23-26      | 06-30-24        |
| 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         |
| 8015 NM                                                                                                                                                                                               |             | Solid                 | Total TPH       |
| Total BTEX                                                                                                                                                                                            |             | Solid                 | Total BTEX      |

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Method Summary

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-36711-1  
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

Sample Summary

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-36711-1  
SDG: Eddy County, New Mexico

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 880-36711-1   | H-8 (0-0.5')     | Solid  | 12/06/23 00:00 | 12/08/23 14:36 |
| 880-36711-2   | H-9 (0-0.5')     | Solid  | 12/06/23 00:00 | 12/08/23 14:36 |
| 880-36711-3   | H-10 (0-0.5')    | Solid  | 12/06/23 00:00 | 12/08/23 14:36 |

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Chain of Custody



880-36711 Chain of Custody

Page 1 of 1

|                 |                       |                         |                   |
|-----------------|-----------------------|-------------------------|-------------------|
| Project Manager | Conner Moehring       | Bill to: (if different) | Mike Carmona      |
| Company Name    | Carmona Resources     | Company Name            | Carmona Resources |
| Address         | 310 W Wall St Ste 415 | Address                 |                   |
| City, State ZIP | Midland, TX 79701     | City, State ZIP         |                   |
| Phone           | 432-813-6823          | Email                   |                   |

|                     |                                     |
|---------------------|-------------------------------------|
| Work Order Comments |                                     |
| Program: UST/PST    | PRP Brownfields RRC                 |
| State of Project:   | Level I Level II Level III Level IV |
| Reporting Level II  | Level III ST/UST RRP Level IV       |
| Deliverables EDD    | ADAPT Other                         |

| Project Name          |                                                                                                                  | Cooper 31 1H (09 26 22)          |                                          | Turn Around |         | Pres. Code | ANALYSIS REQUEST |           |                 |   |   |  |  |  |                                                                 |           |                           |  | Preservative Codes                |  |  |  |  |
|-----------------------|------------------------------------------------------------------------------------------------------------------|----------------------------------|------------------------------------------|-------------|---------|------------|------------------|-----------|-----------------|---|---|--|--|--|-----------------------------------------------------------------|-----------|---------------------------|--|-----------------------------------|--|--|--|--|
| Project Number        | 1141                                                                                                             | <input type="checkbox"/> Routine | <input checked="" type="checkbox"/> Rush |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 | None NO   | DI Water H <sub>2</sub> O |  |                                   |  |  |  |  |
| Project Location      | Eddy County, New Mexico <th colspan="2">Due Date</th> <th colspan="12"></th> <td>Cool Cool</td> <td>MeOH Me</td> | Due Date                         |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 | Cool Cool | MeOH Me                   |  |                                   |  |  |  |  |
| Sampler's Name        | GP <th colspan="2">72 Hour</th> <th colspan="12"></th> <td>HCL HC</td> <td>HNO<sub>3</sub> HN</td>               | 72 Hour                          |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 | 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     | Parameters       |           |                 |   |   |  |  |  |                                                                 |           |                           |  | 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-8 (0-0.5')          |                                                                                                                  |                                  | 12/6/2023                                |             | X       |            | G                | 1         | X               | X | X |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
| H-9 (0-0.5')          |                                                                                                                  |                                  | 12/6/2023                                |             | X       |            | G                | 1         | X               | X | X |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
| H-10 (0-0.5')         |                                                                                                                  |                                  | 12/6/2023                                |             | X       |            | G                | 1         | X               | X | X |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
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|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
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|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |
|                       |                                                                                                                  |                                  |                                          |             |         |            |                  |           |                 |   |   |  |  |  |                                                                 |           |                           |  |                                   |  |  |  |  |

Comments.

|                             |           |                         |           |
|-----------------------------|-----------|-------------------------|-----------|
| Relinquished by (Signature) | Date/Time | Received by (Signature) | Date/Time |
|                             | 12/8/23   |                         | 12/30     |

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-36711-1  
SDG Number: Eddy County, New Mexico

Login Number: 36711  
List Number: 1  
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

| 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 2/1/2023 4:08:29 PM Revision 1

## JOB DESCRIPTION

Cooper 31 1H (09.26.22)  
SDG NUMBER Eddy County, New Mexico

## JOB NUMBER

880-23961-1

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  
2/1/2023 4:08:29 PM  
Revision 1

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Laboratory Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| S1+       | Surrogate recovery exceeds control limits, high 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, high biased. |
| *1        | LCS/LCSD RPD exceeds control limits.                       |
| 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.   |

HPLC/IC

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| 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: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

**Job ID: 880-23961-1****Laboratory: Eurofins Midland****Narrative****Job Narrative  
880-23961-1**REVISION

The report being provided is a revision of the original report sent on 1/25/2023. The report (revision 1) is being revised due to Revision needed to include correct COC.

Report revision history

**Receipt**

The samples were received on 1/20/2023 3:04 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 -3.9°C

**Receipt Exceptions**

The following samples were received and analyzed from an unpreserved bulk soil jar: BH-1 (0-1') (880-23961-1), BH-1 (2-3') (880-23961-2), BH-1 (4-5') (880-23961-3), BH-1 (6-7') (880-23961-4), BH-1 (9-10') (880-23961-5), BH-1 (11-12') (880-23961-6), BH-1 (14-15') (880-23961-7), BH-1 (20') (880-23961-8), BH-1 (25') (880-23961-9), BH-1 (30') (880-23961-10), BH-1 (35') (880-23961-11), BH-1 (40') (880-23961-12), BH-2 (0-1') (880-23961-13), BH-2 (2-3') (880-23961-14), BH-2 (4-5') (880-23961-15), BH-2 (6-7') (880-23961-16), BH-2 (9-10') (880-23961-17), BH-2 (11-12') (880-23961-18), BH-2 (14-12') (880-23961-19), BH-2 (20') (880-23961-20), BH-2 (25') (880-23961-21), BH-2 (30') (880-23961-22), BH-2 (35') (880-23961-23), BH-2 (40') (880-23961-24), BH-3 (0-1') (880-23961-25), BH-3 (2-3') (880-23961-26), BH-3 (4-5') (880-23961-27), BH-3 (6-7') (880-23961-28), BH-3 (9-10') (880-23961-29), BH-3 (11-12') (880-23961-30), BH-4 (0-1') (880-23961-31), BH-4 (2-3') (880-23961-32), BH-4 (4-5') (880-23961-33), BH-4 (6-7') (880-23961-34), BH-4 (9-10') (880-23961-35), BH-4 (11-12') (880-23961-36), BH-4 (14-15') (880-23961-37), BH-4 (20') (880-23961-38), BH-4 (25') (880-23961-39), BH-4 (30') (880-23961-40), BH-4 (35') (880-23961-41), BH-4 (40') (880-23961-42) and BH-4 (45') (880-23961-43).

The following samples were found to be frozen solid upon receipt by the laboratory. The samples and containers appeared to be intact. BH-1 (0-1') (880-23961-1), BH-1 (2-3') (880-23961-2), BH-1 (4-5') (880-23961-3), BH-1 (6-7') (880-23961-4), BH-1 (9-10') (880-23961-5), BH-1 (11-12') (880-23961-6), BH-1 (14-15') (880-23961-7), BH-1 (20') (880-23961-8), BH-1 (25') (880-23961-9), BH-1 (30') (880-23961-10), BH-1 (35') (880-23961-11), BH-1 (40') (880-23961-12), BH-2 (0-1') (880-23961-13), BH-2 (2-3') (880-23961-14), BH-2 (4-5') (880-23961-15), BH-2 (6-7') (880-23961-16), BH-2 (9-10') (880-23961-17), BH-2 (11-12') (880-23961-18), BH-2 (14-12') (880-23961-19), BH-2 (20') (880-23961-20), BH-2 (25') (880-23961-21), BH-2 (30') (880-23961-22), BH-2 (35') (880-23961-23), BH-2 (40') (880-23961-24), BH-3 (0-1') (880-23961-25), BH-3 (2-3') (880-23961-26), BH-3 (4-5') (880-23961-27), BH-3 (6-7') (880-23961-28), BH-3 (9-10') (880-23961-29), BH-3 (11-12') (880-23961-30), BH-4 (0-1') (880-23961-31), BH-4 (2-3') (880-23961-32), BH-4 (4-5') (880-23961-33), BH-4 (6-7') (880-23961-34), BH-4 (9-10') (880-23961-35), BH-4 (11-12') (880-23961-36), BH-4 (14-15') (880-23961-37), BH-4 (20') (880-23961-38), BH-4 (25') (880-23961-39), BH-4 (30') (880-23961-40), BH-4 (35') (880-23961-41), BH-4 (40') (880-23961-42) and BH-4 (45') (880-23961-43)

**GC VOA**

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: Spike compounds were inadvertently omitted during the extraction process for the matrix spike/matrix spike duplicate (MS/MSD); therefore, matrix spike recoveries are unavailable for preparation batch 880-44648 and analytical batch 880-44611. The associated laboratory control sample (LCS) met acceptance criteria.

Method 8015MOD\_NM: Surrogate compounds were inadvertently omitted during the extraction process for the following sample(s):  
<commaMerge

Method 8015MOD\_NM: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 880-44647 and analytical batch 880-44609 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have

## Case Narrative

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

### Job ID: 880-23961-1 (Continued)

#### Laboratory: Eurofins Midland (Continued)

been reported.

Method 8015MOD\_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-44647 and analytical batch 880-44609 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

#### HPLC/IC

Method 300\_ORGFM\_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-44523 and 880-44523 and analytical batch 880-44674 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300\_ORGFM\_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-44524 and analytical batch 880-44676 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300\_ORGFM\_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-44525 and analytical batch 880-44678 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

Client Sample ID: BH-1 (0-1')

Lab Sample ID: 880-23961-1

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   | 01/23/23 14:43 | 01/24/23 00:10 | 1       |
| Toluene             | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 00:10 | 1       |
| Ethylbenzene        | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 00:10 | 1       |
| m-Xylene & p-Xylene | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 00:10 | 1       |
| o-Xylene            | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 00:10 | 1       |
| Xylenes, Total      | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 00:10 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 109       |           | 70 - 130 | 01/23/23 14:43 | 01/24/23 00:10 | 1       |
| 1,4-Difluorobenzene (Surr)  | 96        |           | 70 - 130 | 01/23/23 14:43 | 01/24/23 00:10 | 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 |   |          | 01/24/23 13:39 | 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 |   |          | 01/25/23 15:57 | 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 ** *1 F1 F2 | 50.0 |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 00:18 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U F1 F2       | 50.0 |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 00:18 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U             | 50.0 |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 00:18 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 49        | S1-       | 70 - 130 | 01/24/23 14:37 | 01/25/23 00:18 | 1       |
| o-Terphenyl    | 42        | S1-       | 70 - 130 | 01/24/23 14:37 | 01/25/23 00:18 | 1       |

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

| Analyte  | Result | Qualifier | RL  | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|-----|-----|-------|---|----------|----------------|---------|
| Chloride | 4730   | F1        | 101 |     | mg/Kg |   |          | 01/24/23 20:20 | 20      |

Client Sample ID: BH-1 (2-3')

Lab Sample ID: 880-23961-2

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   | 01/23/23 14:43 | 01/24/23 00:30 | 1       |
| Toluene             | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 00:30 | 1       |
| Ethylbenzene        | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 00:30 | 1       |
| m-Xylene & p-Xylene | <0.00404 | U         | 0.00404 |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 00:30 | 1       |
| o-Xylene            | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 00:30 | 1       |
| Xylenes, Total      | <0.00404 | U         | 0.00404 |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 00:30 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 120       |           | 70 - 130 | 01/23/23 14:43 | 01/24/23 00:30 | 1       |
| 1,4-Difluorobenzene (Surr)  | 100       |           | 70 - 130 | 01/23/23 14:43 | 01/24/23 00:30 | 1       |

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

Client Sample ID: BH-1 (2-3')

Lab Sample ID: 880-23961-2

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   |          | 01/24/23 13:39 | 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 |   |          | 01/25/23 15:57 | 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 ** *1   | 49.9     |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 01:35 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 01:35 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 01:35 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 63        | S1-       | 70 - 130 |     |       |   | 01/24/23 14:37 | 01/25/23 01:35 | 1       |
| o-Terphenyl                          | 50        | S1-       | 70 - 130 |     |       |   | 01/24/23 14:37 | 01/25/23 01:35 | 1       |

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

| Analyte  | Result | Qualifier | RL  | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|-----|-----|-------|---|----------|----------------|---------|
| Chloride | 5530   |           | 250 |     | mg/Kg |   |          | 01/24/23 20:39 | 50      |

Client Sample ID: BH-1 (4-5')

Lab Sample ID: 880-23961-3

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   | 01/23/23 14:43 | 01/24/23 00:51 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 00:51 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 00:51 | 1       |
| m-Xylene & p-Xylene         | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 00:51 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 00:51 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 00:51 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 128       |           | 70 - 130 |     |       |   | 01/23/23 14:43 | 01/24/23 00:51 | 1       |
| 1,4-Difluorobenzene (Surr)  | 104       |           | 70 - 130 |     |       |   | 01/23/23 14:43 | 01/24/23 00:51 | 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 |   |          | 01/24/23 13:39 | 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 |   |          | 01/25/23 15:57 | 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 ** *1   | 50.0 |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 02:01 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 02:01 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

Client Sample ID: BH-1 (4-5')

Lab Sample ID: 880-23961-3

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   | 01/24/23 14:37 | 01/25/23 02:01 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                    | 57        | S1-       | 70 - 130 |     |       |   | 01/24/23 14:37 | 01/25/23 02:01 | 1       |
| o-Terphenyl                       | 51        | S1-       | 70 - 130 |     |       |   | 01/24/23 14:37 | 01/25/23 02:01 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 8540   |           | 99.4 |     | mg/Kg |   |          | 01/24/23 20:45 | 20      |

Client Sample ID: BH-1 (6-7')

Lab Sample ID: 880-23961-4

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   | 01/23/23 14:43 | 01/24/23 01:12 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 01:12 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 01:12 | 1       |
| m-Xylene & p-Xylene         | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 01:12 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 01:12 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 01:12 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 123       |           | 70 - 130 |     |       |   | 01/23/23 14:43 | 01/24/23 01:12 | 1       |
| 1,4-Difluorobenzene (Surr)  | 101       |           | 70 - 130 |     |       |   | 01/23/23 14:43 | 01/24/23 01:12 | 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 |   |          | 01/24/23 13:39 | 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 |   |          | 01/25/23 15:57 | 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 ** *1   | 50.0     |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 02:27 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 02:27 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 02:27 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 63        | S1-       | 70 - 130 |     |       |   | 01/24/23 14:37 | 01/25/23 02:27 | 1       |
| o-Terphenyl                          | 49        | S1-       | 70 - 130 |     |       |   | 01/24/23 14:37 | 01/25/23 02:27 | 1       |

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

| Analyte  | Result | Qualifier | RL  | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|-----|-----|-------|---|----------|----------------|---------|
| Chloride | 8640   |           | 101 |     | mg/Kg |   |          | 01/24/23 20:51 | 20      |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

Client Sample ID: BH-1 (9-10')

Lab Sample ID: 880-23961-5

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   | 01/23/23 14:43 | 01/24/23 01:32 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 01:32 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 01:32 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 01:32 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 01:32 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 01:32 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 126       |           | 70 - 130 | 01/23/23 14:43 | 01/24/23 01:32 | 1       |
| 1,4-Difluorobenzene (Surr)  | 101       |           | 70 - 130 | 01/23/23 14:43 | 01/24/23 01:32 | 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 |   |          | 01/24/23 13:39 | 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 |   |          | 01/25/23 15:57 | 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 ** *1   | 49.9 |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 02:53 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 02:53 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 02:53 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 38        | S1-       | 70 - 130 | 01/24/23 14:37 | 01/25/23 02:53 | 1       |
| o-Terphenyl    | 31        | S1-       | 70 - 130 | 01/24/23 14:37 | 01/25/23 02:53 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 7570   |           | 99.8 |     | mg/Kg |   |          | 01/24/23 20:57 | 20      |

Client Sample ID: BH-1 (11-12')

Lab Sample ID: 880-23961-6

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   | 01/23/23 14:43 | 01/24/23 01:53 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 01:53 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 01:53 | 1       |
| m-Xylene & p-Xylene | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 01:53 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 01:53 | 1       |
| Xylenes, Total      | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 01:53 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 132       | S1+       | 70 - 130 | 01/23/23 14:43 | 01/24/23 01:53 | 1       |
| 1,4-Difluorobenzene (Surr)  | 103       |           | 70 - 130 | 01/23/23 14:43 | 01/24/23 01:53 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

Client Sample ID: BH-1 (11-12')

Lab Sample ID: 880-23961-6

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   |          | 01/24/23 13:39 | 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 |   |          | 01/25/23 15:57 | 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 ** *1   | 49.9     |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 03:19 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 03:19 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 03:19 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 50        | S1-       | 70 - 130 |     |       |   | 01/24/23 14:37 | 01/25/23 03:19 | 1       |
| o-Terphenyl                          | 43        | S1-       | 70 - 130 |     |       |   | 01/24/23 14:37 | 01/25/23 03:19 | 1       |

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

| Analyte  | Result | Qualifier | RL  | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|-----|-----|-------|---|----------|----------------|---------|
| Chloride | 7070   |           | 100 |     | mg/Kg |   |          | 01/24/23 21:16 | 20      |

Client Sample ID: BH-1 (14-15')

Lab Sample ID: 880-23961-7

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   | 01/23/23 14:43 | 01/24/23 02:13 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 02:13 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 02:13 | 1       |
| m-Xylene & p-Xylene         | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 02:13 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 02:13 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 02:13 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 126       |           | 70 - 130 |     |       |   | 01/23/23 14:43 | 01/24/23 02:13 | 1       |
| 1,4-Difluorobenzene (Surr)  | 102       |           | 70 - 130 |     |       |   | 01/23/23 14:43 | 01/24/23 02:13 | 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 |   |          | 01/24/23 13:39 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 |     | mg/Kg |   |          | 01/25/23 15:57 | 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 | <49.8  | U ** *1   | 49.8 |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 03:45 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8  | U         | 49.8 |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 03:45 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

Client Sample ID: BH-1 (14-15')

Lab Sample ID: 880-23961-7

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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) | <49.8     | U         | 49.8     |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 03:45 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                    | 68        | S1-       | 70 - 130 |     |       |   | 01/24/23 14:37 | 01/25/23 03:45 | 1       |
| o-Terphenyl                       | 54        | S1-       | 70 - 130 |     |       |   | 01/24/23 14:37 | 01/25/23 03:45 | 1       |

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

| Analyte  | Result | Qualifier | RL  | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|-----|-----|-------|---|----------|----------------|---------|
| Chloride | 6410   |           | 100 |     | mg/Kg |   |          | 01/24/23 21:22 | 20      |

Client Sample ID: BH-1 (20')

Lab Sample ID: 880-23961-8

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   | 01/23/23 14:43 | 01/24/23 02:34 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 02:34 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 02:34 | 1       |
| m-Xylene & p-Xylene         | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 02:34 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 02:34 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 02:34 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 124       |           | 70 - 130 |     |       |   | 01/23/23 14:43 | 01/24/23 02:34 | 1       |
| 1,4-Difluorobenzene (Surr)  | 100       |           | 70 - 130 |     |       |   | 01/23/23 14:43 | 01/24/23 02:34 | 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 |   |          | 01/24/23 13:39 | 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 |   |          | 01/25/23 15:57 | 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 ** *1   | 49.9     |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 04:11 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 04:11 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 04:11 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 35        | S1-       | 70 - 130 |     |       |   | 01/24/23 14:37 | 01/25/23 04:11 | 1       |
| o-Terphenyl                          | 28        | S1-       | 70 - 130 |     |       |   | 01/24/23 14:37 | 01/25/23 04:11 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 4430   |           | 50.2 |     | mg/Kg |   |          | 01/24/23 21:28 | 10      |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

Client Sample ID: BH-1 (25')

Lab Sample ID: 880-23961-9

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   | 01/23/23 14:43 | 01/24/23 02:55 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 02:55 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 02:55 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 02:55 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 02:55 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 02:55 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 116       |           | 70 - 130 | 01/23/23 14:43 | 01/24/23 02:55 | 1       |
| 1,4-Difluorobenzene (Surr)  | 102       |           | 70 - 130 | 01/23/23 14:43 | 01/24/23 02:55 | 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 |   |          | 01/24/23 13:39 | 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 |   |          | 01/25/23 15:57 | 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 ** *1   | 49.9 |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 04:37 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 04:37 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 04:37 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 76        |           | 70 - 130 | 01/24/23 14:37 | 01/25/23 04:37 | 1       |
| o-Terphenyl    | 65        | S1-       | 70 - 130 | 01/24/23 14:37 | 01/25/23 04:37 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 3560   |           | 50.1 |     | mg/Kg |   |          | 01/24/23 21:34 | 10      |

Client Sample ID: BH-1 (30')

Lab Sample ID: 880-23961-10

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   | 01/23/23 14:43 | 01/24/23 03:15 | 1       |
| Toluene             | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 03:15 | 1       |
| Ethylbenzene        | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 03:15 | 1       |
| m-Xylene & p-Xylene | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 03:15 | 1       |
| o-Xylene            | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 03:15 | 1       |
| Xylenes, Total      | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 03:15 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 117       |           | 70 - 130 | 01/23/23 14:43 | 01/24/23 03:15 | 1       |
| 1,4-Difluorobenzene (Surr)  | 104       |           | 70 - 130 | 01/23/23 14:43 | 01/24/23 03:15 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

Client Sample ID: BH-1 (30')

Lab Sample ID: 880-23961-10

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   |          | 01/24/23 13:39 | 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 |   |          | 01/25/23 15:57 | 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 ** *1   | 49.9     |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 05:05 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 05:05 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 05:05 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 71        |           | 70 - 130 |     |       |   | 01/24/23 14:37 | 01/25/23 05:05 | 1       |
| o-Terphenyl                          | 60        | S1-       | 70 - 130 |     |       |   | 01/24/23 14:37 | 01/25/23 05:05 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 1770   |           | 25.0 |     | mg/Kg |   |          | 01/24/23 21:40 | 5       |

Client Sample ID: BH-1 (35')

Lab Sample ID: 880-23961-11

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   | 01/23/23 14:43 | 01/24/23 04:39 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 04:39 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 04:39 | 1       |
| m-Xylene & p-Xylene         | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 04:39 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 04:39 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 04:39 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 109       |           | 70 - 130 |     |       |   | 01/23/23 14:43 | 01/24/23 04:39 | 1       |
| 1,4-Difluorobenzene (Surr)  | 95        |           | 70 - 130 |     |       |   | 01/23/23 14:43 | 01/24/23 04:39 | 1       |

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

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 01/24/23 13:39 | 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 |   |          | 01/25/23 15:57 | 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 ** *1   | 49.9 |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 05:48 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 05:48 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

Client Sample ID: BH-1 (35')

Lab Sample ID: 880-23961-11

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   | 01/24/23 14:37 | 01/25/23 05:48 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                    | 101       |           | 70 - 130 |     |       |   | 01/24/23 14:37 | 01/25/23 05:48 | 1       |
| o-Terphenyl                       | 97        |           | 70 - 130 |     |       |   | 01/24/23 14:37 | 01/25/23 05:48 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 1100   | F1        | 25.0 |     | mg/Kg |   |          | 01/24/23 21:47 | 5       |

Client Sample ID: BH-1 (40')

Lab Sample ID: 880-23961-12

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   | 01/23/23 14:43 | 01/24/23 05:00 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 05:00 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 05:00 | 1       |
| m-Xylene & p-Xylene         | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 05:00 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 05:00 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 05:00 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 120       |           | 70 - 130 |     |       |   | 01/23/23 14:43 | 01/24/23 05:00 | 1       |
| 1,4-Difluorobenzene (Surr)  | 104       |           | 70 - 130 |     |       |   | 01/23/23 14:43 | 01/24/23 05:00 | 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 |   |          | 01/24/23 13:39 | 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 |   |          | 01/25/23 15:57 | 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 ** *1   | 50.0     |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 06:10 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 06:10 | 1       |
| OII Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 06:10 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 107       |           | 70 - 130 |     |       |   | 01/24/23 14:37 | 01/25/23 06:10 | 1       |
| o-Terphenyl                          | 102       |           | 70 - 130 |     |       |   | 01/24/23 14:37 | 01/25/23 06:10 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 24.6   |           | 5.02 |     | mg/Kg |   |          | 01/24/23 22:05 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

Client Sample ID: BH-2 (0-1')

Lab Sample ID: 880-23961-13

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   | 01/23/23 14:43 | 01/24/23 05:20 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 05:20 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 05:20 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 05:20 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 05:20 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 05:20 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 124       |           | 70 - 130 | 01/23/23 14:43 | 01/24/23 05:20 | 1       |
| 1,4-Difluorobenzene (Surr)  | 105       |           | 70 - 130 | 01/23/23 14:43 | 01/24/23 05:20 | 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 |   |          | 01/24/23 13:39 | 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 |   |          | 01/25/23 15:57 | 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 ** *1   | 50.0 |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 06:31 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 06:31 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 06:31 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 117       |           | 70 - 130 | 01/24/23 14:37 | 01/25/23 06:31 | 1       |
| o-Terphenyl    | 112       |           | 70 - 130 | 01/24/23 14:37 | 01/25/23 06:31 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 4070   |           | 50.0 |     | mg/Kg |   |          | 01/24/23 22:36 | 10      |

Client Sample ID: BH-2 (2-3')

Lab Sample ID: 880-23961-14

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   | 01/23/23 14:43 | 01/24/23 05:41 | 1       |
| Toluene             | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 05:41 | 1       |
| Ethylbenzene        | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 05:41 | 1       |
| m-Xylene & p-Xylene | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 05:41 | 1       |
| o-Xylene            | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 05:41 | 1       |
| Xylenes, Total      | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 05:41 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 118       |           | 70 - 130 | 01/23/23 14:43 | 01/24/23 05:41 | 1       |
| 1,4-Difluorobenzene (Surr)  | 104       |           | 70 - 130 | 01/23/23 14:43 | 01/24/23 05:41 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

Client Sample ID: BH-2 (2-3')

Lab Sample ID: 880-23961-14

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   |          | 01/24/23 13:39 | 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 |   |          | 01/25/23 15:57 | 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 ** *1   | 50.0     |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 06:54 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 06:54 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 06:54 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 122       |           | 70 - 130 |     |       |   | 01/24/23 14:37 | 01/25/23 06:54 | 1       |
| o-Terphenyl                          | 115       |           | 70 - 130 |     |       |   | 01/24/23 14:37 | 01/25/23 06:54 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 3110   |           | 99.6 |     | mg/Kg |   |          | 01/24/23 22:55 | 20      |

Client Sample ID: BH-2 (4-5')

Lab Sample ID: 880-23961-15

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   | 01/23/23 14:43 | 01/24/23 06:02 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 06:02 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 06:02 | 1       |
| m-Xylene & p-Xylene         | <0.00401  | U         | 0.00401  |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 06:02 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 06:02 | 1       |
| Xylenes, Total              | <0.00401  | U         | 0.00401  |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 06:02 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 126       |           | 70 - 130 |     |       |   | 01/23/23 14:43 | 01/24/23 06:02 | 1       |
| 1,4-Difluorobenzene (Surr)  | 103       |           | 70 - 130 |     |       |   | 01/23/23 14:43 | 01/24/23 06:02 | 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 |   |          | 01/24/23 13:39 | 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 |   |          | 01/25/23 15:57 | 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 ** *1   | 49.9 |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 07:17 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 07:17 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

Client Sample ID: BH-2 (4-5')

Lab Sample ID: 880-23961-15

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   | 01/24/23 14:37 | 01/25/23 07:17 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                    | 93        |           | 70 - 130 |     |       |   | 01/24/23 14:37 | 01/25/23 07:17 | 1       |
| o-Terphenyl                       | 89        |           | 70 - 130 |     |       |   | 01/24/23 14:37 | 01/25/23 07:17 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 857    |           | 49.5 |     | mg/Kg |   |          | 01/24/23 23:01 | 10      |

Client Sample ID: BH-2 (6-7')

Lab Sample ID: 880-23961-16

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   | 01/23/23 14:43 | 01/24/23 06:22 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 06:22 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 06:22 | 1       |
| m-Xylene & p-Xylene         | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 06:22 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 06:22 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 06:22 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 120       |           | 70 - 130 |     |       |   | 01/23/23 14:43 | 01/24/23 06:22 | 1       |
| 1,4-Difluorobenzene (Surr)  | 112       |           | 70 - 130 |     |       |   | 01/23/23 14:43 | 01/24/23 06:22 | 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 |   |          | 01/24/23 13:39 | 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 |   |          | 01/25/23 15:57 | 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 ** *1   | 49.9     |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 07:40 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 07:40 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 07:40 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 95        |           | 70 - 130 |     |       |   | 01/24/23 14:37 | 01/25/23 07:40 | 1       |
| o-Terphenyl                          | 92        |           | 70 - 130 |     |       |   | 01/24/23 14:37 | 01/25/23 07:40 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 1160   |           | 25.0 |     | mg/Kg |   |          | 01/24/23 23:07 | 5       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

Client Sample ID: BH-2 (9-10')

Lab Sample ID: 880-23961-17

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   | 01/23/23 14:43 | 01/24/23 06:43 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 06:43 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 06:43 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 06:43 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 06:43 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 06:43 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 107       |           | 70 - 130 | 01/23/23 14:43 | 01/24/23 06:43 | 1       |
| 1,4-Difluorobenzene (Surr)  | 113       |           | 70 - 130 | 01/23/23 14:43 | 01/24/23 06:43 | 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 |   |          | 01/24/23 13:39 | 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 |   |          | 01/25/23 15:57 | 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 ** *1   | 49.9 |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 08:04 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 08:04 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 08:04 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 114       |           | 70 - 130 | 01/24/23 14:37 | 01/25/23 08:04 | 1       |
| o-Terphenyl    | 103       |           | 70 - 130 | 01/24/23 14:37 | 01/25/23 08:04 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 744    |           | 25.0 |     | mg/Kg |   |          | 01/24/23 23:13 | 5       |

Client Sample ID: BH-2 (11-12')

Lab Sample ID: 880-23961-18

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   | 01/23/23 14:43 | 01/24/23 07:04 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 07:04 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 07:04 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 07:04 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 07:04 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 07:04 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 113       |           | 70 - 130 | 01/23/23 14:43 | 01/24/23 07:04 | 1       |
| 1,4-Difluorobenzene (Surr)  | 115       |           | 70 - 130 | 01/23/23 14:43 | 01/24/23 07:04 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

Client Sample ID: BH-2 (11-12')

Lab Sample ID: 880-23961-18

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   |          | 01/24/23 13:39 | 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 |   |          | 01/25/23 15:57 | 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 ** *1   | 49.9     |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 08:27 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 08:27 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 08:27 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 96        |           | 70 - 130 |     |       |   | 01/24/23 14:37 | 01/25/23 08:27 | 1       |
| o-Terphenyl                          | 92        |           | 70 - 130 |     |       |   | 01/24/23 14:37 | 01/25/23 08:27 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 678    |           | 25.1 |     | mg/Kg |   |          | 01/24/23 23:19 | 5       |

Client Sample ID: BH-2 (14-12')

Lab Sample ID: 880-23961-19

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   | 01/23/23 14:43 | 01/24/23 07:25 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 07:25 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 07:25 | 1       |
| m-Xylene & p-Xylene         | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 07:25 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 07:25 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 07:25 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 114       |           | 70 - 130 |     |       |   | 01/23/23 14:43 | 01/24/23 07:25 | 1       |
| 1,4-Difluorobenzene (Surr)  | 108       |           | 70 - 130 |     |       |   | 01/23/23 14:43 | 01/24/23 07:25 | 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 |   |          | 01/24/23 13:39 | 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 |   |          | 01/25/23 15:57 | 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 ** *1   | 49.9 |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 08:50 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 08:50 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

Client Sample ID: BH-2 (14-12')

Lab Sample ID: 880-23961-19

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   | 01/24/23 14:37 | 01/25/23 08:50 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                    | 97        |           | 70 - 130 |     |       |   | 01/24/23 14:37 | 01/25/23 08:50 | 1       |
| o-Terphenyl                       | 93        |           | 70 - 130 |     |       |   | 01/24/23 14:37 | 01/25/23 08:50 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 693    |           | 24.9 |     | mg/Kg |   |          | 01/24/23 23:25 | 5       |

Client Sample ID: BH-2 (20')

Lab Sample ID: 880-23961-20

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   | 01/23/23 14:43 | 01/24/23 07:46 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 07:46 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 07:46 | 1       |
| m-Xylene & p-Xylene         | <0.00401  | U         | 0.00401  |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 07:46 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 07:46 | 1       |
| Xylenes, Total              | <0.00401  | U         | 0.00401  |     | mg/Kg |   | 01/23/23 14:43 | 01/24/23 07:46 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 117       |           | 70 - 130 |     |       |   | 01/23/23 14:43 | 01/24/23 07:46 | 1       |
| 1,4-Difluorobenzene (Surr)  | 113       |           | 70 - 130 |     |       |   | 01/23/23 14:43 | 01/24/23 07:46 | 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 |   |          | 01/24/23 13:39 | 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 |   |          | 01/25/23 15:57 | 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 ** *1   | 50.0     |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 09:14 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 09:14 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 01/24/23 14:37 | 01/25/23 09:14 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 115       |           | 70 - 130 |     |       |   | 01/24/23 14:37 | 01/25/23 09:14 | 1       |
| o-Terphenyl                          | 106       |           | 70 - 130 |     |       |   | 01/24/23 14:37 | 01/25/23 09:14 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 764    |           | 24.9 |     | mg/Kg |   |          | 01/24/23 23:32 | 5       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

Client Sample ID: BH-2 (25')

Lab Sample ID: 880-23961-21

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   | 01/23/23 14:46 | 01/24/23 11:58 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 11:58 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 11:58 | 1       |
| m-Xylene & p-Xylene | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 11:58 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 11:58 | 1       |
| Xylenes, Total      | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 11:58 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 111       |           | 70 - 130 | 01/23/23 14:46 | 01/24/23 11:58 | 1       |
| 1,4-Difluorobenzene (Surr)  | 109       |           | 70 - 130 | 01/23/23 14:46 | 01/24/23 11:58 | 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 |   |          | 01/24/23 15:50 | 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 |   |          | 01/25/23 15:41 | 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 F1 F2   | 50.0 |     | mg/Kg |   | 01/24/23 14:41 | 01/25/23 00:18 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U F1      | 50.0 |     | mg/Kg |   | 01/24/23 14:41 | 01/25/23 00:18 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 01/24/23 14:41 | 01/25/23 00:18 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 4         | S1-       | 70 - 130 | 01/24/23 14:41 | 01/25/23 00:18 | 1       |
| o-Terphenyl    | 0.3       | S1-       | 70 - 130 | 01/24/23 14:41 | 01/25/23 00:18 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 683    | F1        | 25.1 |     | mg/Kg |   |          | 01/25/23 00:21 | 5       |

Client Sample ID: BH-2 (30')

Lab Sample ID: 880-23961-22

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   | 01/23/23 14:46 | 01/24/23 12:19 | 1       |
| Toluene             | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 12:19 | 1       |
| Ethylbenzene        | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 12:19 | 1       |
| m-Xylene & p-Xylene | <0.00403 | U         | 0.00403 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 12:19 | 1       |
| o-Xylene            | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 12:19 | 1       |
| Xylenes, Total      | <0.00403 | U         | 0.00403 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 12:19 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 117       |           | 70 - 130 | 01/23/23 14:46 | 01/24/23 12:19 | 1       |
| 1,4-Difluorobenzene (Surr)  | 110       |           | 70 - 130 | 01/23/23 14:46 | 01/24/23 12:19 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

Client Sample ID: BH-2 (30')

Lab Sample ID: 880-23961-22

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   |          | 01/24/23 15:50 | 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 |   |          | 01/25/23 15:41 | 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 |   | 01/24/23 14:41 | 01/25/23 01:35 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 01/24/23 14:41 | 01/25/23 01:35 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 01/24/23 14:41 | 01/25/23 01:35 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 4         | S1-       | 70 - 130 |     |       |   | 01/24/23 14:41 | 01/25/23 01:35 | 1       |
| o-Terphenyl                          | 0.3       | S1-       | 70 - 130 |     |       |   | 01/24/23 14:41 | 01/25/23 01:35 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 587    |           | 24.9 |     | mg/Kg |   |          | 01/25/23 00:39 | 5       |

Client Sample ID: BH-2 (35')

Lab Sample ID: 880-23961-23

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   | 01/23/23 14:46 | 01/24/23 12:40 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 12:40 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 12:40 | 1       |
| m-Xylene & p-Xylene         | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 12:40 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 12:40 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 12:40 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 115       |           | 70 - 130 |     |       |   | 01/23/23 14:46 | 01/24/23 12:40 | 1       |
| 1,4-Difluorobenzene (Surr)  | 114       |           | 70 - 130 |     |       |   | 01/23/23 14:46 | 01/24/23 12:40 | 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 |   |          | 01/24/23 15:50 | 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 |   |          | 01/25/23 15:41 | 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 |   | 01/24/23 14:41 | 01/25/23 02:01 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 01/24/23 14:41 | 01/25/23 02:01 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

Client Sample ID: BH-2 (35')

Lab Sample ID: 880-23961-23

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   | 01/24/23 14:41 | 01/25/23 02:01 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                    | 2         | S1-       | 70 - 130 |     |       |   | 01/24/23 14:41 | 01/25/23 02:01 | 1       |
| o-Terphenyl                       | 0.3       | S1-       | 70 - 130 |     |       |   | 01/24/23 14:41 | 01/25/23 02:01 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 600    |           | 4.99 |     | mg/Kg |   |          | 01/25/23 00:46 | 1       |

Client Sample ID: BH-2 (40')

Lab Sample ID: 880-23961-24

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   | 01/23/23 14:46 | 01/24/23 13:00 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 13:00 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 13:00 | 1       |
| m-Xylene & p-Xylene         | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 13:00 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 13:00 | 1       |
| Xylenes, Total              | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 13:00 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 115       |           | 70 - 130 |     |       |   | 01/23/23 14:46 | 01/24/23 13:00 | 1       |
| 1,4-Difluorobenzene (Surr)  | 116       |           | 70 - 130 |     |       |   | 01/23/23 14:46 | 01/24/23 13:00 | 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 |   |          | 01/24/23 15:50 | 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 |   |          | 01/25/23 15:41 | 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 |   | 01/24/23 14:41 | 01/25/23 02:27 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 01/24/23 14:41 | 01/25/23 02:27 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 01/24/23 14:41 | 01/25/23 02:27 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 2         | S1-       | 70 - 130 |     |       |   | 01/24/23 14:41 | 01/25/23 02:27 | 1       |
| o-Terphenyl                          | 0.3       | S1-       | 70 - 130 |     |       |   | 01/24/23 14:41 | 01/25/23 02:27 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 35.8   |           | 5.05 |     | mg/Kg |   |          | 01/25/23 00:52 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

Client Sample ID: BH-3 (0-1')

Lab Sample ID: 880-23961-25

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   | 01/23/23 14:46 | 01/24/23 13:21 | 1       |
| Toluene             | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 13:21 | 1       |
| Ethylbenzene        | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 13:21 | 1       |
| m-Xylene & p-Xylene | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 13:21 | 1       |
| o-Xylene            | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 13:21 | 1       |
| Xylenes, Total      | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 13:21 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 119       |           | 70 - 130 | 01/23/23 14:46 | 01/24/23 13:21 | 1       |
| 1,4-Difluorobenzene (Surr)  | 125       |           | 70 - 130 | 01/23/23 14:46 | 01/24/23 13:21 | 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 |   |          | 01/24/23 15:50 | 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 |   |          | 01/25/23 15:41 | 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 |   | 01/24/23 14:41 | 01/25/23 02:53 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 01/24/23 14:41 | 01/25/23 02:53 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 01/24/23 14:41 | 01/25/23 02:53 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 2         | S1-       | 70 - 130 | 01/24/23 14:41 | 01/25/23 02:53 | 1       |
| o-Terphenyl    | 0.3       | S1-       | 70 - 130 | 01/24/23 14:41 | 01/25/23 02:53 | 1       |

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

| Analyte  | Result | Qualifier | RL  | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|-----|-----|-------|---|----------|----------------|---------|
| Chloride | 13200  |           | 252 |     | mg/Kg |   |          | 01/25/23 00:58 | 50      |

Client Sample ID: BH-3 (2-3')

Lab Sample ID: 880-23961-26

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   | 01/23/23 14:46 | 01/24/23 13:42 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 13:42 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 13:42 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 13:42 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 13:42 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 13:42 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 114       |           | 70 - 130 | 01/23/23 14:46 | 01/24/23 13:42 | 1       |
| 1,4-Difluorobenzene (Surr)  | 123       |           | 70 - 130 | 01/23/23 14:46 | 01/24/23 13:42 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

Client Sample ID: BH-3 (2-3')

Lab Sample ID: 880-23961-26

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   |          | 01/24/23 15:50 | 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 |   |          | 01/25/23 15:41 | 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 |   | 01/24/23 14:41 | 01/25/23 03:19 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 01/24/23 14:41 | 01/25/23 03:19 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 01/24/23 14:41 | 01/25/23 03:19 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 6         | S1-       | 70 - 130 |     |       |   | 01/24/23 14:41 | 01/25/23 03:19 | 1       |
| o-Terphenyl                          | 0.4       | S1-       | 70 - 130 |     |       |   | 01/24/23 14:41 | 01/25/23 03:19 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 3050   |           | 50.0 |     | mg/Kg |   |          | 01/25/23 01:17 | 10      |

Client Sample ID: BH-3 (4-5')

Lab Sample ID: 880-23961-27

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   | 01/23/23 14:46 | 01/24/23 14:03 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 14:03 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 14:03 | 1       |
| m-Xylene & p-Xylene         | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 14:03 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 14:03 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 14:03 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 120       |           | 70 - 130 |     |       |   | 01/23/23 14:46 | 01/24/23 14:03 | 1       |
| 1,4-Difluorobenzene (Surr)  | 118       |           | 70 - 130 |     |       |   | 01/23/23 14:46 | 01/24/23 14:03 | 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 |   |          | 01/24/23 15:50 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 |     | mg/Kg |   |          | 01/25/23 15:41 | 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 | <49.8  | U         | 49.8 |     | mg/Kg |   | 01/24/23 14:41 | 01/25/23 03:45 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8  | U         | 49.8 |     | mg/Kg |   | 01/24/23 14:41 | 01/25/23 03:45 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

Client Sample ID: BH-3 (4-5')

Lab Sample ID: 880-23961-27

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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) | <49.8     | U         | 49.8     |     | mg/Kg |   | 01/24/23 14:41 | 01/25/23 03:45 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                    | 3         | S1-       | 70 - 130 |     |       |   | 01/24/23 14:41 | 01/25/23 03:45 | 1       |
| o-Terphenyl                       | 0.3       | S1-       | 70 - 130 |     |       |   | 01/24/23 14:41 | 01/25/23 03:45 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 2220   |           | 50.0 |     | mg/Kg |   |          | 01/25/23 01:23 | 10      |

Client Sample ID: BH-3 (6-7')

Lab Sample ID: 880-23961-28

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   | 01/23/23 14:46 | 01/24/23 14:24 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 14:24 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 14:24 | 1       |
| m-Xylene & p-Xylene         | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 14:24 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 14:24 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 14:24 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 120       |           | 70 - 130 |     |       |   | 01/23/23 14:46 | 01/24/23 14:24 | 1       |
| 1,4-Difluorobenzene (Surr)  | 112       |           | 70 - 130 |     |       |   | 01/23/23 14:46 | 01/24/23 14:24 | 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 |   |          | 01/24/23 15:50 | 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 |   |          | 01/25/23 15:41 | 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 |   | 01/24/23 14:41 | 01/25/23 04:11 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 01/24/23 14:41 | 01/25/23 04:11 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 01/24/23 14:41 | 01/25/23 04:11 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 5         | S1-       | 70 - 130 |     |       |   | 01/24/23 14:41 | 01/25/23 04:11 | 1       |
| o-Terphenyl                          | 0.5       | S1-       | 70 - 130 |     |       |   | 01/24/23 14:41 | 01/25/23 04:11 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 579    |           | 25.2 |     | mg/Kg |   |          | 01/25/23 01:29 | 5       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

Client Sample ID: BH-3 (9-10')

Lab Sample ID: 880-23961-29

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   | 01/23/23 14:46 | 01/24/23 14:45 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 14:45 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 14:45 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 14:45 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 14:45 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 14:45 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 115       |           | 70 - 130 | 01/23/23 14:46 | 01/24/23 14:45 | 1       |
| 1,4-Difluorobenzene (Surr)  | 116       |           | 70 - 130 | 01/23/23 14:46 | 01/24/23 14:45 | 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 |   |          | 01/24/23 15:50 | 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 |   |          | 01/25/23 15:41 | 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 |   | 01/24/23 14:41 | 01/25/23 04:37 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 01/24/23 14:41 | 01/25/23 04:37 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 01/24/23 14:41 | 01/25/23 04:37 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 8         | S1-       | 70 - 130 | 01/24/23 14:41 | 01/25/23 04:37 | 1       |
| o-Terphenyl    | 0.5       | S1-       | 70 - 130 | 01/24/23 14:41 | 01/25/23 04:37 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 707    |           | 25.1 |     | mg/Kg |   |          | 01/25/23 01:35 | 5       |

Client Sample ID: BH-3 (11-12')

Lab Sample ID: 880-23961-30

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   | 01/23/23 14:46 | 01/24/23 15:05 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 15:05 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 15:05 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 15:05 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 15:05 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 15:05 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 111       |           | 70 - 130 | 01/23/23 14:46 | 01/24/23 15:05 | 1       |
| 1,4-Difluorobenzene (Surr)  | 111       |           | 70 - 130 | 01/23/23 14:46 | 01/24/23 15:05 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

Client Sample ID: BH-3 (11-12')

Lab Sample ID: 880-23961-30

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   |          | 01/24/23 15:50 | 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 |   |          | 01/25/23 15:41 | 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 |   | 01/24/23 14:41 | 01/25/23 05:05 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 01/24/23 14:41 | 01/25/23 05:05 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 01/24/23 14:41 | 01/25/23 05:05 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 2         | S1-       | 70 - 130 |     |       |   | 01/24/23 14:41 | 01/25/23 05:05 | 1       |
| o-Terphenyl                          | 0.4       | S1-       | 70 - 130 |     |       |   | 01/24/23 14:41 | 01/25/23 05:05 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 64.4   |           | 4.98 |     | mg/Kg |   |          | 01/25/23 01:41 | 1       |

Client Sample ID: BH-4 (0-1')

Lab Sample ID: 880-23961-31

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   | 01/23/23 14:46 | 01/24/23 16:31 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 16:31 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 16:31 | 1       |
| m-Xylene & p-Xylene         | <0.00401  | U         | 0.00401  |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 16:31 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 16:31 | 1       |
| Xylenes, Total              | <0.00401  | U         | 0.00401  |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 16:31 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 109       |           | 70 - 130 |     |       |   | 01/23/23 14:46 | 01/24/23 16:31 | 1       |
| 1,4-Difluorobenzene (Surr)  | 110       |           | 70 - 130 |     |       |   | 01/23/23 14:46 | 01/24/23 16:31 | 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 |   |          | 01/25/23 15:18 | 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 |   |          | 01/25/23 15:41 | 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 |   | 01/24/23 14:41 | 01/25/23 05:48 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 01/24/23 14:41 | 01/25/23 05:48 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

Client Sample ID: BH-4 (0-1')

Lab Sample ID: 880-23961-31

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   | 01/24/23 14:41 | 01/25/23 05:48 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                    | 98        |           | 70 - 130 |     |       |   | 01/24/23 14:41 | 01/25/23 05:48 | 1       |
| o-Terphenyl                       | 107       |           | 70 - 130 |     |       |   | 01/24/23 14:41 | 01/25/23 05:48 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 2470   |           | 49.6 |     | mg/Kg |   |          | 01/25/23 01:47 | 10      |

Client Sample ID: BH-(2-3')

Lab Sample ID: 880-23961-32

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   | 01/23/23 14:46 | 01/24/23 16:52 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 16:52 | 1       |
| Ethylbenzene                | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 16:52 | 1       |
| m-Xylene & p-Xylene         | <0.00402  | U         | 0.00402  |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 16:52 | 1       |
| o-Xylene                    | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 16:52 | 1       |
| Xylenes, Total              | <0.00402  | U         | 0.00402  |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 16:52 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 114       |           | 70 - 130 |     |       |   | 01/23/23 14:46 | 01/24/23 16:52 | 1       |
| 1,4-Difluorobenzene (Surr)  | 112       |           | 70 - 130 |     |       |   | 01/23/23 14:46 | 01/24/23 16:52 | 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 |   |          | 01/25/23 15:18 | 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 |   |          | 01/25/23 15:41 | 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 |   | 01/24/23 14:41 | 01/25/23 06:10 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 01/24/23 14:41 | 01/25/23 06:10 | 1       |
| OII Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 01/24/23 14:41 | 01/25/23 06:10 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 115       |           | 70 - 130 |     |       |   | 01/24/23 14:41 | 01/25/23 06:10 | 1       |
| o-Terphenyl                          | 127       |           | 70 - 130 |     |       |   | 01/24/23 14:41 | 01/25/23 06:10 | 1       |

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

| Analyte  | Result | Qualifier | RL  | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|-----|-----|-------|---|----------|----------------|---------|
| Chloride | 5510   |           | 101 |     | mg/Kg |   |          | 01/25/23 02:06 | 20      |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

Client Sample ID: BH-4 (4-5')

Lab Sample ID: 880-23961-33

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   | 01/23/23 14:46 | 01/24/23 17:13 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 17:13 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 17:13 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 17:13 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 17:13 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 17:13 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 122       |           | 70 - 130 | 01/23/23 14:46 | 01/24/23 17:13 | 1       |
| 1,4-Difluorobenzene (Surr)  | 119       |           | 70 - 130 | 01/23/23 14:46 | 01/24/23 17:13 | 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 |   |          | 01/25/23 15:18 | 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 |   |          | 01/25/23 15:41 | 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 |   | 01/24/23 14:41 | 01/25/23 06:31 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 01/24/23 14:41 | 01/25/23 06:31 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 01/24/23 14:41 | 01/25/23 06:31 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 96        |           | 70 - 130 | 01/24/23 14:41 | 01/25/23 06:31 | 1       |
| o-Terphenyl    | 102       |           | 70 - 130 | 01/24/23 14:41 | 01/25/23 06:31 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 11900  |           | 49.7 |     | mg/Kg |   |          | 01/25/23 13:49 | 10      |

Client Sample ID: BH-4 (6-7')

Lab Sample ID: 880-23961-34

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   | 01/23/23 14:46 | 01/24/23 17:34 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 17:34 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 17:34 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 17:34 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 17:34 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 17:34 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 122       |           | 70 - 130 | 01/23/23 14:46 | 01/24/23 17:34 | 1       |
| 1,4-Difluorobenzene (Surr)  | 116       |           | 70 - 130 | 01/23/23 14:46 | 01/24/23 17:34 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

Client Sample ID: BH-4 (6-7')

Lab Sample ID: 880-23961-34

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   |          | 01/25/23 15:18 | 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 |   |          | 01/25/23 15:41 | 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 |   | 01/24/23 14:41 | 01/25/23 06:54 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 01/24/23 14:41 | 01/25/23 06:54 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 01/24/23 14:41 | 01/25/23 06:54 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 101       |           | 70 - 130 |     |       |   | 01/24/23 14:41 | 01/25/23 06:54 | 1       |
| o-Terphenyl                          | 109       |           | 70 - 130 |     |       |   | 01/24/23 14:41 | 01/25/23 06:54 | 1       |

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

| Analyte  | Result | Qualifier | RL  | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|-----|-----|-------|---|----------|----------------|---------|
| Chloride | 9170   |           | 101 |     | mg/Kg |   |          | 01/25/23 02:30 | 20      |

Client Sample ID: BH-4 (9-10')

Lab Sample ID: 880-23961-35

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   | 01/23/23 14:46 | 01/24/23 17:55 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 17:55 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 17:55 | 1       |
| m-Xylene & p-Xylene         | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 17:55 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 17:55 | 1       |
| Xylenes, Total              | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 17:55 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 127       |           | 70 - 130 |     |       |   | 01/23/23 14:46 | 01/24/23 17:55 | 1       |
| 1,4-Difluorobenzene (Surr)  | 114       |           | 70 - 130 |     |       |   | 01/23/23 14:46 | 01/24/23 17:55 | 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 |   |          | 01/25/23 15:18 | 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 |   |          | 01/25/23 15:41 | 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 |   | 01/24/23 14:41 | 01/25/23 07:17 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 01/24/23 14:41 | 01/25/23 07:17 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

Client Sample ID: BH-4 (9-10')

Lab Sample ID: 880-23961-35

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   | 01/24/23 14:41 | 01/25/23 07:17 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                    | 73        |           | 70 - 130 |     |       |   | 01/24/23 14:41 | 01/25/23 07:17 | 1       |
| o-Terphenyl                       | 75        |           | 70 - 130 |     |       |   | 01/24/23 14:41 | 01/25/23 07:17 | 1       |

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

| Analyte  | Result | Qualifier | RL  | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|-----|-----|-------|---|----------|----------------|---------|
| Chloride | 8930   |           | 100 |     | mg/Kg |   |          | 01/25/23 02:37 | 20      |

Client Sample ID: BH-4 (11-12')

Lab Sample ID: 880-23961-36

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   | 01/23/23 14:46 | 01/24/23 18:16 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 18:16 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 18:16 | 1       |
| m-Xylene & p-Xylene         | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 18:16 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 18:16 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 18:16 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 116       |           | 70 - 130 |     |       |   | 01/23/23 14:46 | 01/24/23 18:16 | 1       |
| 1,4-Difluorobenzene (Surr)  | 119       |           | 70 - 130 |     |       |   | 01/23/23 14:46 | 01/24/23 18:16 | 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 |   |          | 01/25/23 15:18 | 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 |   |          | 01/25/23 15:41 | 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 |   | 01/24/23 14:41 | 01/25/23 07:40 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 01/24/23 14:41 | 01/25/23 07:40 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 01/24/23 14:41 | 01/25/23 07:40 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 70        |           | 70 - 130 |     |       |   | 01/24/23 14:41 | 01/25/23 07:40 | 1       |
| o-Terphenyl                          | 73        |           | 70 - 130 |     |       |   | 01/24/23 14:41 | 01/25/23 07:40 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 5440   |           | 99.6 |     | mg/Kg |   |          | 01/25/23 02:43 | 20      |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

Client Sample ID: BH-4 (14-15')

Lab Sample ID: 880-23961-37

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   | 01/23/23 14:46 | 01/24/23 18:36 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 18:36 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 18:36 | 1       |
| m-Xylene & p-Xylene | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 18:36 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 18:36 | 1       |
| Xylenes, Total      | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 18:36 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 115       |           | 70 - 130 | 01/23/23 14:46 | 01/24/23 18:36 | 1       |
| 1,4-Difluorobenzene (Surr)  | 118       |           | 70 - 130 | 01/23/23 14:46 | 01/24/23 18:36 | 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 |   |          | 01/25/23 15:18 | 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 |   |          | 01/25/23 15:41 | 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 |   | 01/24/23 14:41 | 01/25/23 08:04 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 01/24/23 14:41 | 01/25/23 08:04 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 01/24/23 14:41 | 01/25/23 08:04 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 91        |           | 70 - 130 | 01/24/23 14:41 | 01/25/23 08:04 | 1       |
| o-Terphenyl    | 95        |           | 70 - 130 | 01/24/23 14:41 | 01/25/23 08:04 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 1350   |           | 24.9 |     | mg/Kg |   |          | 01/25/23 02:49 | 5       |

Client Sample ID: BH-4 (20')

Lab Sample ID: 880-23961-38

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   | 01/23/23 14:46 | 01/24/23 18:57 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 18:57 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 18:57 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 18:57 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 18:57 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 18:57 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 114       |           | 70 - 130 | 01/23/23 14:46 | 01/24/23 18:57 | 1       |
| 1,4-Difluorobenzene (Surr)  | 112       |           | 70 - 130 | 01/23/23 14:46 | 01/24/23 18:57 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

Client Sample ID: BH-4 (20')

Lab Sample ID: 880-23961-38

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   |          | 01/25/23 15:18 | 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 |   |          | 01/25/23 15:41 | 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 |   | 01/24/23 14:41 | 01/25/23 08:27 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 01/24/23 14:41 | 01/25/23 08:27 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 01/24/23 14:41 | 01/25/23 08:27 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 84        |           | 70 - 130 |     |       |   | 01/24/23 14:41 | 01/25/23 08:27 | 1       |
| o-Terphenyl                          | 89        |           | 70 - 130 |     |       |   | 01/24/23 14:41 | 01/25/23 08:27 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 1350   |           | 25.1 |     | mg/Kg |   |          | 01/25/23 02:55 | 5       |

Client Sample ID: BH-4 (25')

Lab Sample ID: 880-23961-39

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   | 01/23/23 14:46 | 01/24/23 19:18 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 19:18 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 19:18 | 1       |
| m-Xylene & p-Xylene         | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 19:18 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 19:18 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 19:18 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 123       |           | 70 - 130 |     |       |   | 01/23/23 14:46 | 01/24/23 19:18 | 1       |
| 1,4-Difluorobenzene (Surr)  | 116       |           | 70 - 130 |     |       |   | 01/23/23 14:46 | 01/24/23 19:18 | 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 |   |          | 01/25/23 15:18 | 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 |   |          | 01/25/23 15:41 | 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 |   | 01/24/23 14:41 | 01/25/23 08:50 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 01/24/23 14:41 | 01/25/23 08:50 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

## Client Sample ID: BH-4 (25')

Date Collected: 01/17/23 00:00

Date Received: 01/20/23 15:04

## Lab Sample ID: 880-23961-39

Matrix: Solid

## 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 |   | 01/24/23 14:41 | 01/25/23 08:50 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                    | 93        |           | 70 - 130 |     |       |   | 01/24/23 14:41 | 01/25/23 08:50 | 1       |
| o-Terphenyl                       | 98        |           | 70 - 130 |     |       |   | 01/24/23 14:41 | 01/25/23 08:50 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 1030   |           | 25.1 |     | mg/Kg |   |          | 01/25/23 03:01 | 5       |

## Client Sample ID: BH-4 (30')

Date Collected: 01/17/23 00:00

Date Received: 01/20/23 15:04

## Lab Sample ID: 880-23961-40

Matrix: Solid

## 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 |   | 01/23/23 14:46 | 01/24/23 19:39 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 19:39 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 19:39 | 1       |
| m-Xylene & p-Xylene         | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 19:39 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 19:39 | 1       |
| Xylenes, Total              | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 19:39 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 112       |           | 70 - 130 |     |       |   | 01/23/23 14:46 | 01/24/23 19:39 | 1       |
| 1,4-Difluorobenzene (Surr)  | 116       |           | 70 - 130 |     |       |   | 01/23/23 14:46 | 01/24/23 19:39 | 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 |   |          | 01/25/23 15:18 | 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 |   |          | 01/25/23 15:41 | 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 |   | 01/24/23 14:41 | 01/25/23 09:14 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 01/24/23 14:41 | 01/25/23 09:14 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 01/24/23 14:41 | 01/25/23 09:14 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 80        |           | 70 - 130 |     |       |   | 01/24/23 14:41 | 01/25/23 09:14 | 1       |
| o-Terphenyl                          | 83        |           | 70 - 130 |     |       |   | 01/24/23 14:41 | 01/25/23 09:14 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 855    |           | 4.98 |     | mg/Kg |   |          | 01/25/23 03:07 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

Client Sample ID: BH-4 (35')

Lab Sample ID: 880-23961-41

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   | 01/23/23 15:50 | 01/24/23 17:15 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 01/23/23 15:50 | 01/24/23 17:15 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 01/23/23 15:50 | 01/24/23 17:15 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 01/23/23 15:50 | 01/24/23 17:15 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 01/23/23 15:50 | 01/24/23 17:15 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 01/23/23 15:50 | 01/24/23 17:15 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 107       |           | 70 - 130 | 01/23/23 15:50 | 01/24/23 17:15 | 1       |
| 1,4-Difluorobenzene (Surr)  | 89        |           | 70 - 130 | 01/23/23 15:50 | 01/24/23 17:15 | 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 |   |          | 01/25/23 15:14 | 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 |   |          | 01/25/23 15:32 | 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 |   | 01/24/23 15:33 | 01/24/23 23:54 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 01/24/23 15:33 | 01/24/23 23:54 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 01/24/23 15:33 | 01/24/23 23:54 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 71        |           | 70 - 130 | 01/24/23 15:33 | 01/24/23 23:54 | 1       |
| o-Terphenyl    | 73        |           | 70 - 130 | 01/24/23 15:33 | 01/24/23 23:54 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 794    | F1        | 25.2 |     | mg/Kg |   |          | 01/25/23 03:57 | 5       |

Client Sample ID: BH-4 (40')

Lab Sample ID: 880-23961-42

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   | 01/23/23 15:50 | 01/24/23 17:36 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 01/23/23 15:50 | 01/24/23 17:36 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 01/23/23 15:50 | 01/24/23 17:36 | 1       |
| m-Xylene & p-Xylene | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 01/23/23 15:50 | 01/24/23 17:36 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 01/23/23 15:50 | 01/24/23 17:36 | 1       |
| Xylenes, Total      | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 01/23/23 15:50 | 01/24/23 17:36 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 85        |           | 70 - 130 | 01/23/23 15:50 | 01/24/23 17:36 | 1       |
| 1,4-Difluorobenzene (Surr)  | 100       |           | 70 - 130 | 01/23/23 15:50 | 01/24/23 17:36 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

Client Sample ID: BH-4 (40')

Lab Sample ID: 880-23961-42

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   |          | 01/25/23 15:14 | 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 |   |          | 01/25/23 15:32 | 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 |   | 01/24/23 15:33 | 01/25/23 01:13 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 01/24/23 15:33 | 01/25/23 01:13 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 01/24/23 15:33 | 01/25/23 01:13 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 58        | S1-       | 70 - 130 |     |       |   | 01/24/23 15:33 | 01/25/23 01:13 | 1       |
| o-Terphenyl                          | 57        | S1-       | 70 - 130 |     |       |   | 01/24/23 15:33 | 01/25/23 01:13 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 5060   |           | 50.0 |     | mg/Kg |   |          | 01/25/23 04:15 | 10      |

Client Sample ID: BH-4 (45')

Lab Sample ID: 880-23961-43

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

## 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 |   | 01/23/23 15:50 | 01/24/23 17:56 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 01/23/23 15:50 | 01/24/23 17:56 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 01/23/23 15:50 | 01/24/23 17:56 | 1       |
| m-Xylene & p-Xylene         | <0.00400  | U         | 0.00400  |     | mg/Kg |   | 01/23/23 15:50 | 01/24/23 17:56 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 01/23/23 15:50 | 01/24/23 17:56 | 1       |
| Xylenes, Total              | <0.00400  | U         | 0.00400  |     | mg/Kg |   | 01/23/23 15:50 | 01/24/23 17:56 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 82        |           | 70 - 130 |     |       |   | 01/23/23 15:50 | 01/24/23 17:56 | 1       |
| 1,4-Difluorobenzene (Surr)  | 89        |           | 70 - 130 |     |       |   | 01/23/23 15:50 | 01/24/23 17:56 | 1       |

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

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00400 | U         | 0.00400 |     | mg/Kg |   |          | 01/25/23 15:14 | 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 |   |          | 01/25/23 15:32 | 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 |   | 01/24/23 15:33 | 01/25/23 01:40 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 01/24/23 15:33 | 01/25/23 01:40 | 1       |

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Client Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

Client Sample ID: BH-4 (45')  
Date Collected: 01/17/23 00:00  
Date Received: 01/20/23 15:04

Lab Sample ID: 880-23961-43  
Matrix: Solid

| 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 |   | 01/24/23 15:33 | 01/25/23 01:40 | 1       |
| Surrogate                                                             | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                                                        | 28        | S1-       | 70 - 130 |     |       |   | 01/24/23 15:33 | 01/25/23 01:40 | 1       |
| o-Terphenyl                                                           | 26        | S1-       | 70 - 130 |     |       |   | 01/24/23 15:33 | 01/25/23 01:40 | 1       |

| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble |        |           |      |     |       |   |          |                |         |
|----------------------------------------------------------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Analyte                                                  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Chloride                                                 | 13.7   |           | 4.97 |     | mg/Kg |   |          | 01/25/23 04:21 | 1       |

# Surrogate Summary

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
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) |
| 880-23961-1         | BH-1 (0-1')            | 109                                            | 96                |
| 880-23961-1 MS      | BH-1 (0-1')            | 106                                            | 102               |
| 880-23961-1 MSD     | BH-1 (0-1')            | 112                                            | 95                |
| 880-23961-2         | BH-1 (2-3')            | 120                                            | 100               |
| 880-23961-3         | BH-1 (4-5')            | 128                                            | 104               |
| 880-23961-4         | BH-1 (6-7')            | 123                                            | 101               |
| 880-23961-5         | BH-1 (9-10')           | 126                                            | 101               |
| 880-23961-6         | BH-1 (11-12')          | 132 S1+                                        | 103               |
| 880-23961-7         | BH-1 (14-15')          | 126                                            | 102               |
| 880-23961-8         | BH-1 (20')             | 124                                            | 100               |
| 880-23961-9         | BH-1 (25')             | 116                                            | 102               |
| 880-23961-10        | BH-1 (30')             | 117                                            | 104               |
| 880-23961-11        | BH-1 (35')             | 109                                            | 95                |
| 880-23961-12        | BH-1 (40')             | 120                                            | 104               |
| 880-23961-13        | BH-2 (0-1')            | 124                                            | 105               |
| 880-23961-14        | BH-2 (2-3')            | 118                                            | 104               |
| 880-23961-15        | BH-2 (4-5')            | 126                                            | 103               |
| 880-23961-16        | BH-2 (6-7')            | 120                                            | 112               |
| 880-23961-17        | BH-2 (9-10')           | 107                                            | 113               |
| 880-23961-18        | BH-2 (11-12')          | 113                                            | 115               |
| 880-23961-19        | BH-2 (14-12')          | 114                                            | 108               |
| 880-23961-20        | BH-2 (20')             | 117                                            | 113               |
| 880-23961-21        | BH-2 (25')             | 111                                            | 109               |
| 880-23961-21 MS     | BH-2 (25')             | 90                                             | 109               |
| 880-23961-21 MSD    | BH-2 (25')             | 91                                             | 106               |
| 880-23961-22        | BH-2 (30')             | 117                                            | 110               |
| 880-23961-23        | BH-2 (35')             | 115                                            | 114               |
| 880-23961-24        | BH-2 (40')             | 115                                            | 116               |
| 880-23961-25        | BH-3 (0-1')            | 119                                            | 125               |
| 880-23961-26        | BH-3 (2-3')            | 114                                            | 123               |
| 880-23961-27        | BH-3 (4-5')            | 120                                            | 118               |
| 880-23961-28        | BH-3 (6-7')            | 120                                            | 112               |
| 880-23961-29        | BH-3 (9-10')           | 115                                            | 116               |
| 880-23961-30        | BH-3 (11-12')          | 111                                            | 111               |
| 880-23961-31        | BH-4 (0-1')            | 109                                            | 110               |
| 880-23961-32        | BH-(2-3')              | 114                                            | 112               |
| 880-23961-33        | BH-4 (4-5')            | 122                                            | 119               |
| 880-23961-34        | BH-4 (6-7')            | 122                                            | 116               |
| 880-23961-35        | BH-4 (9-10')           | 127                                            | 114               |
| 880-23961-36        | BH-4 (11-12')          | 116                                            | 119               |
| 880-23961-37        | BH-4 (14-15')          | 115                                            | 118               |
| 880-23961-38        | BH-4 (20')             | 114                                            | 112               |
| 880-23961-39        | BH-4 (25')             | 123                                            | 116               |
| 880-23961-40        | BH-4 (30')             | 112                                            | 116               |
| 880-23961-41        | BH-4 (35')             | 107                                            | 89                |
| 880-23961-42        | BH-4 (40')             | 85                                             | 100               |
| 880-23961-43        | BH-4 (45')             | 82                                             | 89                |
| 880-24013-A-1-A MS  | Matrix Spike           | 114                                            | 103               |
| 880-24013-A-1-B MSD | Matrix Spike Duplicate | 116                                            | 109               |

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# Surrogate Summary

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

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

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) |
| LCS 880-44550/1-A                 | Lab Control Sample     | 98                                             | 97                |
| LCS 880-44576/1-A                 | Lab Control Sample     | 92                                             | 99                |
| LCS 880-44577/1-A                 | Lab Control Sample     | 86                                             | 112               |
| LCSD 880-44550/2-A                | Lab Control Sample Dup | 110                                            | 106               |
| LCSD 880-44576/2-A                | Lab Control Sample Dup | 89                                             | 98                |
| LCSD 880-44577/2-A                | Lab Control Sample Dup | 86                                             | 108               |
| MB 880-44392/5-A                  | Method Blank           | 87                                             | 103               |
| MB 880-44550/5-A                  | Method Blank           | 75                                             | 91                |
| MB 880-44576/5-A                  | Method Blank           | 97                                             | 88                |
| MB 880-44577/5-A                  | Method Blank           | 92                                             | 97                |
| <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) |
| 880-23961-1      | BH-1 (0-1')      | 49 S1-                                         | 42 S1-            |
| 880-23961-1 MS   | BH-1 (0-1')      | 83                                             | 68 S1-            |
| 880-23961-1 MSD  | BH-1 (0-1')      | 48 S1-                                         | 37 S1-            |
| 880-23961-2      | BH-1 (2-3')      | 63 S1-                                         | 50 S1-            |
| 880-23961-3      | BH-1 (4-5')      | 57 S1-                                         | 51 S1-            |
| 880-23961-4      | BH-1 (6-7')      | 63 S1-                                         | 49 S1-            |
| 880-23961-5      | BH-1 (9-10')     | 38 S1-                                         | 31 S1-            |
| 880-23961-6      | BH-1 (11-12')    | 50 S1-                                         | 43 S1-            |
| 880-23961-7      | BH-1 (14-15')    | 68 S1-                                         | 54 S1-            |
| 880-23961-8      | BH-1 (20')       | 35 S1-                                         | 28 S1-            |
| 880-23961-9      | BH-1 (25')       | 76                                             | 65 S1-            |
| 880-23961-10     | BH-1 (30')       | 71                                             | 60 S1-            |
| 880-23961-11     | BH-1 (35')       | 101                                            | 97                |
| 880-23961-12     | BH-1 (40')       | 107                                            | 102               |
| 880-23961-13     | BH-2 (0-1')      | 117                                            | 112               |
| 880-23961-14     | BH-2 (2-3')      | 122                                            | 115               |
| 880-23961-15     | BH-2 (4-5')      | 93                                             | 89                |
| 880-23961-16     | BH-2 (6-7')      | 95                                             | 92                |
| 880-23961-17     | BH-2 (9-10')     | 114                                            | 103               |
| 880-23961-18     | BH-2 (11-12')    | 96                                             | 92                |
| 880-23961-19     | BH-2 (14-12')    | 97                                             | 93                |
| 880-23961-20     | BH-2 (20')       | 115                                            | 106               |
| 880-23961-21     | BH-2 (25')       | 4 S1-                                          | 0.3 S1-           |
| 880-23961-21 MS  | BH-2 (25')       | 2 S1-                                          | 0.3 S1-           |
| 880-23961-21 MSD | BH-2 (25')       | 2 S1-                                          | 0.4 S1-           |
| 880-23961-22     | BH-2 (30')       | 4 S1-                                          | 0.3 S1-           |
| 880-23961-23     | BH-2 (35')       | 2 S1-                                          | 0.3 S1-           |
| 880-23961-24     | BH-2 (40')       | 2 S1-                                          | 0.3 S1-           |
| 880-23961-25     | BH-3 (0-1')      | 2 S1-                                          | 0.3 S1-           |
| 880-23961-26     | BH-3 (2-3')      | 6 S1-                                          | 0.4 S1-           |

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# Surrogate Summary

Client: Carmona Resources

Job ID: 880-23961-1

Project/Site: Cooper 31 1H (09.26.22)

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) |
| 880-23961-27       | BH-3 (4-5')            | 3 S1-                                          | 0.3 S1-           |
| 880-23961-28       | BH-3 (6-7')            | 5 S1-                                          | 0.5 S1-           |
| 880-23961-29       | BH-3 (9-10')           | 8 S1-                                          | 0.5 S1-           |
| 880-23961-30       | BH-3 (11-12')          | 2 S1-                                          | 0.4 S1-           |
| 880-23961-31       | BH-4 (0-1')            | 98                                             | 107               |
| 880-23961-32       | BH-(2-3')              | 115                                            | 127               |
| 880-23961-33       | BH-4 (4-5')            | 96                                             | 102               |
| 880-23961-34       | BH-4 (6-7')            | 101                                            | 109               |
| 880-23961-35       | BH-4 (9-10')           | 73                                             | 75                |
| 880-23961-36       | BH-4 (11-12')          | 70                                             | 73                |
| 880-23961-37       | BH-4 (14-15')          | 91                                             | 95                |
| 880-23961-38       | BH-4 (20')             | 84                                             | 89                |
| 880-23961-39       | BH-4 (25')             | 93                                             | 98                |
| 880-23961-40       | BH-4 (30')             | 80                                             | 83                |
| 880-23961-41       | BH-4 (35')             | 71                                             | 73                |
| 880-23961-41 MS    | BH-4 (35')             | 75                                             | 69 S1-            |
| 880-23961-41 MSD   | BH-4 (35')             | 70                                             | 66 S1-            |
| 880-23961-42       | BH-4 (40')             | 58 S1-                                         | 57 S1-            |
| 880-23961-43       | BH-4 (45')             | 28 S1-                                         | 26 S1-            |
| LCS 880-44647/2-A  | Lab Control Sample     | 152 S1+                                        | 140 S1+           |
| LCS 880-44648/2-A  | Lab Control Sample     | 100                                            | 102               |
| LCS 880-44671/2-A  | Lab Control Sample     | 87                                             | 87                |
| LCSD 880-44647/3-A | Lab Control Sample Dup | 127                                            | 114               |
| LCSD 880-44648/3-A | Lab Control Sample Dup | 91                                             | 93                |
| LCSD 880-44671/3-A | Lab Control Sample Dup | 93                                             | 94                |
| MB 880-44647/1-A   | Method Blank           | 131 S1+                                        | 114               |
| MB 880-44648/1-A   | Method Blank           | 98                                             | 104               |
| MB 880-44671/1-A   | Method Blank           | 89                                             | 90                |

**Surrogate Legend**

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-44392/5-A

Matrix: Solid

Analysis Batch: 44509

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44392

| Analyte             | MB<br>Result | MB<br>Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------------|-----------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 01/19/23 16:32 | 01/23/23 12:59 | 1       |
| Toluene             | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 01/19/23 16:32 | 01/23/23 12:59 | 1       |
| Ethylbenzene        | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 01/19/23 16:32 | 01/23/23 12:59 | 1       |
| m-Xylene & p-Xylene | <0.00400     | U               | 0.00400 |     | mg/Kg |   | 01/19/23 16:32 | 01/23/23 12:59 | 1       |
| o-Xylene            | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 01/19/23 16:32 | 01/23/23 12:59 | 1       |
| Xylenes, Total      | <0.00400     | U               | 0.00400 |     | mg/Kg |   | 01/19/23 16:32 | 01/23/23 12:59 | 1       |

| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 87              |                 | 70 - 130 | 01/19/23 16:32 | 01/23/23 12:59 | 1       |
| 1,4-Difluorobenzene (Surr)  | 103             |                 | 70 - 130 | 01/19/23 16:32 | 01/23/23 12:59 | 1       |

Lab Sample ID: MB 880-44550/5-A

Matrix: Solid

Analysis Batch: 44613

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44550

| Analyte             | MB<br>Result | MB<br>Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------------|-----------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 01/23/23 15:50 | 01/24/23 11:43 | 1       |
| Toluene             | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 01/23/23 15:50 | 01/24/23 11:43 | 1       |
| Ethylbenzene        | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 01/23/23 15:50 | 01/24/23 11:43 | 1       |
| m-Xylene & p-Xylene | <0.00400     | U               | 0.00400 |     | mg/Kg |   | 01/23/23 15:50 | 01/24/23 11:43 | 1       |
| o-Xylene            | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 01/23/23 15:50 | 01/24/23 11:43 | 1       |
| Xylenes, Total      | <0.00400     | U               | 0.00400 |     | mg/Kg |   | 01/23/23 15:50 | 01/24/23 11:43 | 1       |

| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 75              |                 | 70 - 130 | 01/23/23 15:50 | 01/24/23 11:43 | 1       |
| 1,4-Difluorobenzene (Surr)  | 91              |                 | 70 - 130 | 01/23/23 15:50 | 01/24/23 11:43 | 1       |

Lab Sample ID: LCS 880-44550/1-A

Matrix: Solid

Analysis Batch: 44613

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 44550

| Analyte             | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------------------|----------------|---------------|------------------|-------|---|------|----------------|
| Benzene             | 0.100          | 0.1269        |                  | mg/Kg |   | 127  | 70 - 130       |
| Toluene             | 0.100          | 0.1087        |                  | mg/Kg |   | 109  | 70 - 130       |
| Ethylbenzene        | 0.100          | 0.1100        |                  | mg/Kg |   | 110  | 70 - 130       |
| m-Xylene & p-Xylene | 0.200          | 0.2280        |                  | mg/Kg |   | 114  | 70 - 130       |
| o-Xylene            | 0.100          | 0.1119        |                  | mg/Kg |   | 112  | 70 - 130       |

| Surrogate                   | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 98               |                  | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 97               |                  | 70 - 130 |

Lab Sample ID: LCSD 880-44550/2-A

Matrix: Solid

Analysis Batch: 44613

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 44550

| Analyte | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | Limit |
|---------|----------------|----------------|-------------------|-------|---|------|----------------|-----|-------|
| Benzene | 0.100          | 0.1182         |                   | mg/Kg |   | 118  | 70 - 130       | 7   | 35    |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-44550/2-A

Matrix: Solid

Analysis Batch: 44613

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 44550

| Analyte             | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Toluene             | 0.100       | 0.1078      |                | mg/Kg |   | 108  | 70 - 130    | 1   | 35        |
| Ethylbenzene        | 0.100       | 0.1092      |                | mg/Kg |   | 109  | 70 - 130    | 1   | 35        |
| m-Xylene & p-Xylene | 0.200       | 0.2312      |                | mg/Kg |   | 116  | 70 - 130    | 1   | 35        |
| o-Xylene            | 0.100       | 0.1141      |                | mg/Kg |   | 114  | 70 - 130    | 2   | 35        |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 110            |                | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 106            |                | 70 - 130 |

Lab Sample ID: 880-24013-A-1-A MS

Matrix: Solid

Analysis Batch: 44613

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 44550

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Benzene             | <0.00201      | U                | 0.100       | 0.1136    |              | mg/Kg |   | 113  | 70 - 130    |
| Toluene             | <0.00201      | U                | 0.100       | 0.1003    |              | mg/Kg |   | 100  | 70 - 130    |
| Ethylbenzene        | <0.00201      | U                | 0.100       | 0.1027    |              | mg/Kg |   | 103  | 70 - 130    |
| m-Xylene & p-Xylene | <0.00402      | U                | 0.200       | 0.2174    |              | mg/Kg |   | 108  | 70 - 130    |
| o-Xylene            | <0.00201      | U                | 0.100       | 0.1069    |              | mg/Kg |   | 107  | 70 - 130    |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 114          |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 103          |              | 70 - 130 |

Lab Sample ID: 880-24013-A-1-B MSD

Matrix: Solid

Analysis Batch: 44613

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 44550

| 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      | 0.09194    |               | mg/Kg |   | 92   | 70 - 130    | 21  | 35        |
| Toluene             | <0.00201      | U                | 0.0996      | 0.08438    |               | mg/Kg |   | 84   | 70 - 130    | 17  | 35        |
| Ethylbenzene        | <0.00201      | U                | 0.0996      | 0.08952    |               | mg/Kg |   | 90   | 70 - 130    | 14  | 35        |
| m-Xylene & p-Xylene | <0.00402      | U                | 0.199       | 0.1891     |               | mg/Kg |   | 95   | 70 - 130    | 14  | 35        |
| o-Xylene            | <0.00201      | U                | 0.0996      | 0.09419    |               | mg/Kg |   | 95   | 70 - 130    | 13  | 35        |

| Surrogate                   | MSD %Recovery | MSD Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 116           |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 109           |               | 70 - 130 |

Lab Sample ID: MB 880-44576/5-A

Matrix: Solid

Analysis Batch: 44509

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44576

| Analyte             | MB Result | MB Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 01/23/23 14:43 | 01/23/23 23:48 | 1       |
| Toluene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 01/23/23 14:43 | 01/23/23 23:48 | 1       |
| Ethylbenzene        | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 01/23/23 14:43 | 01/23/23 23:48 | 1       |
| m-Xylene & p-Xylene | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 01/23/23 14:43 | 01/23/23 23:48 | 1       |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-44576/5-A

Matrix: Solid

Analysis Batch: 44509

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44576

| Analyte        | MB Result | MB Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|--------------|---------|-----|-------|---|----------------|----------------|---------|
| o-Xylene       | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 01/23/23 14:43 | 01/23/23 23:48 | 1       |
| Xylenes, Total | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 01/23/23 14:43 | 01/23/23 23:48 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 97           |              | 70 - 130 | 01/23/23 14:43 | 01/23/23 23:48 | 1       |
| 1,4-Difluorobenzene (Surr)  | 88           |              | 70 - 130 | 01/23/23 14:43 | 01/23/23 23:48 | 1       |

Lab Sample ID: LCS 880-44576/1-A

Matrix: Solid

Analysis Batch: 44509

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 44576

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene             | 0.100       | 0.09963    |               | mg/Kg |   | 99   | 70 - 130    |
| Toluene             | 0.101       | 0.08825    |               | mg/Kg |   | 88   | 70 - 130    |
| Ethylbenzene        | 0.100       | 0.09155    |               | mg/Kg |   | 91   | 70 - 130    |
| m-Xylene & p-Xylene | 0.201       | 0.1650     |               | mg/Kg |   | 82   | 70 - 130    |
| o-Xylene            | 0.101       | 0.08596    |               | mg/Kg |   | 86   | 70 - 130    |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 92            |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 99            |               | 70 - 130 |

Lab Sample ID: LCSD 880-44576/2-A

Matrix: Solid

Analysis Batch: 44509

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 44576

| Analyte             | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-------|
| Benzene             | 0.100       | 0.1076      |                | mg/Kg |   | 107  | 70 - 130    | 8   | 35    |
| Toluene             | 0.101       | 0.09304     |                | mg/Kg |   | 93   | 70 - 130    | 5   | 35    |
| Ethylbenzene        | 0.100       | 0.09737     |                | mg/Kg |   | 97   | 70 - 130    | 6   | 35    |
| m-Xylene & p-Xylene | 0.201       | 0.1741      |                | mg/Kg |   | 87   | 70 - 130    | 5   | 35    |
| o-Xylene            | 0.101       | 0.09065     |                | mg/Kg |   | 90   | 70 - 130    | 5   | 35    |

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

Lab Sample ID: 880-23961-1 MS

Matrix: Solid

Analysis Batch: 44509

Client Sample ID: BH-1 (0-1')

Prep Type: Total/NA

Prep Batch: 44576

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Benzene             | <0.00201      | U                | 0.101       | 0.1232    |              | mg/Kg |   | 122  | 70 - 130    |
| Toluene             | <0.00201      | U                | 0.101       | 0.1078    |              | mg/Kg |   | 107  | 70 - 130    |
| Ethylbenzene        | <0.00201      | U                | 0.101       | 0.1211    |              | mg/Kg |   | 120  | 70 - 130    |
| m-Xylene & p-Xylene | <0.00402      | U                | 0.201       | 0.2199    |              | mg/Kg |   | 109  | 70 - 130    |
| o-Xylene            | <0.00201      | U                | 0.101       | 0.1126    |              | mg/Kg |   | 112  | 70 - 130    |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-23961-1 MS

Matrix: Solid

Analysis Batch: 44509

Client Sample ID: BH-1 (0-1')

Prep Type: Total/NA

Prep Batch: 44576

|                             | MS        | MS        |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 106       |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 102       |           | 70 - 130 |

Lab Sample ID: 880-23961-1 MSD

Matrix: Solid

Analysis Batch: 44509

Client Sample ID: BH-1 (0-1')

Prep Type: Total/NA

Prep Batch: 44576

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene             | <0.00201      | U                | 0.0995      | 0.09568    |               | mg/Kg |   | 96   | 70 - 130    | 25  | 35        |
| Toluene             | <0.00201      | U                | 0.0995      | 0.08913    |               | mg/Kg |   | 90   | 70 - 130    | 19  | 35        |
| Ethylbenzene        | <0.00201      | U                | 0.0995      | 0.09994    |               | mg/Kg |   | 100  | 70 - 130    | 19  | 35        |
| m-Xylene & p-Xylene | <0.00402      | U                | 0.199       | 0.1851     |               | mg/Kg |   | 93   | 70 - 130    | 17  | 35        |
| o-Xylene            | <0.00201      | U                | 0.0995      | 0.09541    |               | mg/Kg |   | 96   | 70 - 130    | 16  | 35        |

|                             | MSD       | MSD       |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 112       |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 95        |           | 70 - 130 |

Lab Sample ID: MB 880-44577/5-A

Matrix: Solid

Analysis Batch: 44579

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44577

| Analyte             | MB Result | MB Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 11:36 | 1       |
| Toluene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 11:36 | 1       |
| Ethylbenzene        | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 11:36 | 1       |
| m-Xylene & p-Xylene | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 11:36 | 1       |
| o-Xylene            | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 11:36 | 1       |
| Xylenes, Total      | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 01/23/23 14:46 | 01/24/23 11:36 | 1       |

|                             | MB        | MB        |          |                |                |         |  |  |  |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|--|--|--|
| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |  |  |  |
| 4-Bromofluorobenzene (Surr) | 92        |           | 70 - 130 | 01/23/23 14:46 | 01/24/23 11:36 | 1       |  |  |  |
| 1,4-Difluorobenzene (Surr)  | 97        |           | 70 - 130 | 01/23/23 14:46 | 01/24/23 11:36 | 1       |  |  |  |

Lab Sample ID: LCS 880-44577/1-A

Matrix: Solid

Analysis Batch: 44579

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 44577

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene             | 0.100       | 0.1110     |               | mg/Kg |   | 111  | 70 - 130    |
| Toluene             | 0.101       | 0.09655    |               | mg/Kg |   | 96   | 70 - 130    |
| Ethylbenzene        | 0.100       | 0.09872    |               | mg/Kg |   | 98   | 70 - 130    |
| m-Xylene & p-Xylene | 0.201       | 0.1717     |               | mg/Kg |   | 85   | 70 - 130    |
| o-Xylene            | 0.101       | 0.08763    |               | mg/Kg |   | 87   | 70 - 130    |

|                             | LCS       | LCS       |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 86        |           | 70 - 130 |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-44577/1-A

Matrix: Solid

Analysis Batch: 44579

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 44577

|                            | LCS       | LCS       |          |
|----------------------------|-----------|-----------|----------|
| Surrogate                  | %Recovery | Qualifier | Limits   |
| 1,4-Difluorobenzene (Surr) | 112       |           | 70 - 130 |

Lab Sample ID: LCSD 880-44577/2-A

Matrix: Solid

Analysis Batch: 44579

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 44577

| Analyte             | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Benzene             | 0.100       | 0.1156      |                | mg/Kg |   | 115  | 70 - 130    | 4   | 35        |
| Toluene             | 0.101       | 0.1008      |                | mg/Kg |   | 100  | 70 - 130    | 4   | 35        |
| Ethylbenzene        | 0.100       | 0.1034      |                | mg/Kg |   | 103  | 70 - 130    | 5   | 35        |
| m-Xylene & p-Xylene | 0.201       | 0.1802      |                | mg/Kg |   | 90   | 70 - 130    | 5   | 35        |
| o-Xylene            | 0.101       | 0.09199     |                | mg/Kg |   | 92   | 70 - 130    | 5   | 35        |

|                             | LCSD      | LCSD      |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 86        |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 108       |           | 70 - 130 |

Lab Sample ID: 880-23961-21 MS

Matrix: Solid

Analysis Batch: 44579

Client Sample ID: BH-2 (25')

Prep Type: Total/NA

Prep Batch: 44577

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Benzene             | <0.00200      | U                | 0.100       | 0.1084    |              | mg/Kg |   | 108  | 70 - 130    |
| Toluene             | <0.00200      | U                | 0.100       | 0.09519   |              | mg/Kg |   | 95   | 70 - 130    |
| Ethylbenzene        | <0.00200      | U                | 0.100       | 0.09834   |              | mg/Kg |   | 98   | 70 - 130    |
| m-Xylene & p-Xylene | <0.00401      | U                | 0.200       | 0.1729    |              | mg/Kg |   | 86   | 70 - 130    |
| o-Xylene            | <0.00200      | U                | 0.100       | 0.08699   |              | mg/Kg |   | 87   | 70 - 130    |

|                             | MS        | MS        |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 90        |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 109       |           | 70 - 130 |

Lab Sample ID: 880-23961-21 MSD

Matrix: Solid

Analysis Batch: 44579

Client Sample ID: BH-2 (25')

Prep Type: Total/NA

Prep Batch: 44577

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene             | <0.00200      | U                | 0.0995      | 0.1029     |               | mg/Kg |   | 104  | 70 - 130    | 5   | 35        |
| Toluene             | <0.00200      | U                | 0.0995      | 0.09185    |               | mg/Kg |   | 92   | 70 - 130    | 4   | 35        |
| Ethylbenzene        | <0.00200      | U                | 0.0995      | 0.09709    |               | mg/Kg |   | 98   | 70 - 130    | 1   | 35        |
| m-Xylene & p-Xylene | <0.00401      | U                | 0.199       | 0.1725     |               | mg/Kg |   | 87   | 70 - 130    | 0   | 35        |
| o-Xylene            | <0.00200      | U                | 0.0995      | 0.08736    |               | mg/Kg |   | 88   | 70 - 130    | 0   | 35        |

|                             | MSD       | MSD       |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 91        |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 106       |           | 70 - 130 |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-44647/1-A

Matrix: Solid

Analysis Batch: 44609

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44647

| Analyte                              | MB Result | MB Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|--------------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U            | 49.9     |     | mg/Kg |   | 01/24/23 14:37 | 01/24/23 23:00 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U            | 49.9     |     | mg/Kg |   | 01/24/23 14:37 | 01/24/23 23:00 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U            | 49.9     |     | mg/Kg |   | 01/24/23 14:37 | 01/24/23 23:00 | 1       |
| Surrogate                            | %Recovery | MB Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 131       | S1+          | 70 - 130 |     |       |   | 01/24/23 14:37 | 01/24/23 23:00 | 1       |
| o-Terphenyl                          | 114       |              | 70 - 130 |     |       |   | 01/24/23 14:37 | 01/24/23 23:00 | 1       |

Lab Sample ID: LCS 880-44647/2-A

Matrix: Solid

Analysis Batch: 44609

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 44647

| Analyte                              | Spike Added | LCS Result    | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |  |
|--------------------------------------|-------------|---------------|---------------|-------|---|------|-------------|--|
| Gasoline Range Organics (GRO)-C6-C10 | 999         | 755.5         |               | mg/Kg |   | 76   | 70 - 130    |  |
| Diesel Range Organics (Over C10-C28) | 999         | 1117          |               | mg/Kg |   | 112  | 70 - 130    |  |
| Surrogate                            | %Recovery   | LCS Qualifier | Limits        |       |   |      |             |  |
| 1-Chlorooctane                       | 152         | S1+           | 70 - 130      |       |   |      |             |  |
| o-Terphenyl                          | 140         | S1+           | 70 - 130      |       |   |      |             |  |

Lab Sample ID: LCSD 880-44647/3-A

Matrix: Solid

Analysis Batch: 44609

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 44647

| Analyte                              | Spike Added | LCSD Result    | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|----------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 999         | 1922           | *+ *1          | mg/Kg |   | 192  | 70 - 130    | 87  | 20        |
| Diesel Range Organics (Over C10-C28) | 999         | 1281           |                | mg/Kg |   | 128  | 70 - 130    | 14  | 20        |
| Surrogate                            | %Recovery   | LCSD Qualifier | Limits         |       |   |      |             |     |           |
| 1-Chlorooctane                       | 127         |                | 70 - 130       |       |   |      |             |     |           |
| o-Terphenyl                          | 114         |                | 70 - 130       |       |   |      |             |     |           |

Lab Sample ID: 880-23961-1 MS

Matrix: Solid

Analysis Batch: 44609

Client Sample ID: BH-1 (0-1')

Prep Type: Total/NA

Prep Batch: 44647

| 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 *+ *1 F1       | 1000        | 1074      |              | mg/Kg |   | 107  | 70 - 130    |  |
| Diesel Range Organics (Over C10-C28) | <50.0         | U F1 F2          | 1000        | 820.0     |              | mg/Kg |   | 82   | 70 - 130    |  |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-23961-1 MS

Matrix: Solid

Analysis Batch: 44609

Client Sample ID: BH-1 (0-1')

Prep Type: Total/NA

Prep Batch: 44647

|                | MS        | MS        |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 83        |           | 70 - 130 |
| o-Terphenyl    | 68        | S1-       | 70 - 130 |

Lab Sample ID: 880-23961-1 MSD

Matrix: Solid

Analysis Batch: 44609

Client Sample ID: BH-1 (0-1')

Prep Type: Total/NA

Prep Batch: 44647

| 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 *+ *1 F1       | 998         | 637.4      | F1 F2         | mg/Kg |   | 64   | 70 - 130    | 51  | 20        |
| Diesel Range Organics (Over C10-C28) | <50.0         | U F1 F2          | 998         | 457.4      | F1 F2         | mg/Kg |   | 46   | 70 - 130    | 57  | 20        |

|                | MSD       | MSD       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 48        | S1-       | 70 - 130 |
| o-Terphenyl    | 37        | S1-       | 70 - 130 |

Lab Sample ID: MB 880-44648/1-A

Matrix: Solid

Analysis Batch: 44611

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44648

| Analyte                              | MB Result | MB Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|--------------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U            | 49.9 |     | mg/Kg |   | 01/24/23 14:41 | 01/24/23 23:00 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U            | 49.9 |     | mg/Kg |   | 01/24/23 14:41 | 01/24/23 23:00 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U            | 49.9 |     | mg/Kg |   | 01/24/23 14:41 | 01/24/23 23:00 | 1       |

|                | MB        | MB        |          | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| Surrogate      | %Recovery | Qualifier | Limits   |                |                |         |
| 1-Chlorooctane | 98        |           | 70 - 130 | 01/24/23 14:41 | 01/24/23 23:00 | 1       |
| o-Terphenyl    | 104       |           | 70 - 130 | 01/24/23 14:41 | 01/24/23 23:00 | 1       |

Lab Sample ID: LCS 880-44648/2-A

Matrix: Solid

Analysis Batch: 44611

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 44648

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 999         | 1033       |               | mg/Kg |   | 103  | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 999         | 1047       |               | mg/Kg |   | 105  | 70 - 130    |

|                | LCS       | LCS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 100       |           | 70 - 130 |
| o-Terphenyl    | 102       |           | 70 - 130 |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-44648/3-A

Matrix: Solid

Analysis Batch: 44611

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 44648

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 999         | 1038        |                | mg/Kg |   | 104  | 70 - 130    | 0   | 20        |
| Diesel Range Organics (Over C10-C28) | 999         | 1060        |                | mg/Kg |   | 106  | 70 - 130    | 1   | 20        |
|                                      |             |             |                |       |   |      |             |     |           |
| LCSD LCSD                            |             |             |                |       |   |      |             |     |           |
| Surrogate                            | %Recovery   | Qualifier   | Limits         |       |   |      |             |     |           |
| 1-Chlorooctane                       | 91          |             | 70 - 130       |       |   |      |             |     |           |
| o-Terphenyl                          | 93          |             | 70 - 130       |       |   |      |             |     |           |

Lab Sample ID: 880-23961-21 MS

Matrix: Solid

Analysis Batch: 44611

Client Sample ID: BH-2 (25')

Prep Type: Total/NA

Prep Batch: 44648

| 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 | <50.0         | U F1 F2          | 1000        | <50.0     | U F1         | mg/Kg |   | 5    | 70 - 130    |     |           |
| Diesel Range Organics (Over C10-C28) | <50.0         | U F1             | 1000        | <50.0     | U F1         | mg/Kg |   | 0    | 70 - 130    |     |           |
|                                      |               |                  |             |           |              |       |   |      |             |     |           |
| MS MS                                |               |                  |             |           |              |       |   |      |             |     |           |
| Surrogate                            | %Recovery     | Qualifier        | Limits      |           |              |       |   |      |             |     |           |
| 1-Chlorooctane                       | 2             | S1-              | 70 - 130    |           |              |       |   |      |             |     |           |
| o-Terphenyl                          | 0.3           | S1-              | 70 - 130    |           |              |       |   |      |             |     |           |

Lab Sample ID: 880-23961-21 MSD

Matrix: Solid

Analysis Batch: 44611

Client Sample ID: BH-2 (25')

Prep Type: Total/NA

Prep Batch: 44648

| 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 F1 F2          | 998         | 61.33      | F1 F2         | mg/Kg |   | 6    | 70 - 130    | 29  | 20        |
| Diesel Range Organics (Over C10-C28) | <50.0         | U F1             | 998         | <49.9      | U F1          | mg/Kg |   | 2    | 70 - 130    | NC  | 20        |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
| MSD MSD                              |               |                  |             |            |               |       |   |      |             |     |           |
| Surrogate                            | %Recovery     | Qualifier        | Limits      |            |               |       |   |      |             |     |           |
| 1-Chlorooctane                       | 2             | S1-              | 70 - 130    |            |               |       |   |      |             |     |           |
| o-Terphenyl                          | 0.4           | S1-              | 70 - 130    |            |               |       |   |      |             |     |           |

Lab Sample ID: MB 880-44671/1-A

Matrix: Solid

Analysis Batch: 44608

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44671

| Analyte                              | MB Result | MB Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|--------------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U            | 49.9 |     | mg/Kg |   | 01/24/23 15:33 | 01/24/23 22:34 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U            | 49.9 |     | mg/Kg |   | 01/24/23 15:33 | 01/24/23 22:34 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U            | 49.9 |     | mg/Kg |   | 01/24/23 15:33 | 01/24/23 22:34 | 1       |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-44671/1-A  
Matrix: Solid  
Analysis Batch: 44608

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 44671

| Surrogate      | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 89              |                 | 70 - 130 | 01/24/23 15:33 | 01/24/23 22:34 | 1       |
| o-Terphenyl    | 90              |                 | 70 - 130 | 01/24/23 15:33 | 01/24/23 22:34 | 1       |

Lab Sample ID: LCS 880-44671/2-A  
Matrix: Solid  
Analysis Batch: 44608

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 44671

| Analyte                              | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|--------------------------------------|----------------|---------------|------------------|-------|---|------|----------------|
| Gasoline Range Organics (GRO)-C6-C10 | 999            | 756.6         |                  | mg/Kg |   | 76   | 70 - 130       |
| Diesel Range Organics (Over C10-C28) | 999            | 882.5         |                  | mg/Kg |   | 88   | 70 - 130       |

| Surrogate      | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|----------------|------------------|------------------|----------|
| 1-Chlorooctane | 87               |                  | 70 - 130 |
| o-Terphenyl    | 87               |                  | 70 - 130 |

Lab Sample ID: LCSD 880-44671/3-A  
Matrix: Solid  
Analysis Batch: 44608

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 44671

| 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 | 999            | 892.4          |                   | mg/Kg |   | 89   | 70 - 130       | 16  | 20           |
| Diesel Range Organics (Over C10-C28) | 999            | 946.9          |                   | mg/Kg |   | 95   | 70 - 130       | 7   | 20           |

| Surrogate      | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits   |
|----------------|-------------------|-------------------|----------|
| 1-Chlorooctane | 93                |                   | 70 - 130 |
| o-Terphenyl    | 94                |                   | 70 - 130 |

Lab Sample ID: 880-23961-41 MS  
Matrix: Solid  
Analysis Batch: 44608

Client Sample ID: BH-4 (35')  
Prep Type: Total/NA  
Prep Batch: 44671

| 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 | <50.0            | U                   | 1000           | 812.3        |                 | mg/Kg |   | 76   | 70 - 130       |
| Diesel Range Organics (Over C10-C28) | <50.0            | U                   | 1000           | 976.2        |                 | mg/Kg |   | 96   | 70 - 130       |

| Surrogate      | MS<br>%Recovery | MS<br>Qualifier | Limits   |
|----------------|-----------------|-----------------|----------|
| 1-Chlorooctane | 75              |                 | 70 - 130 |
| o-Terphenyl    | 69              | S1-             | 70 - 130 |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-23961-41 MSD

Matrix: Solid

Analysis Batch: 44608

Client Sample ID: BH-4 (35')

Prep Type: Total/NA

Prep Batch: 44671

| 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         | 783.5      |               | mg/Kg |   | 74   | 70 - 130    | 4   | 20        |
| Diesel Range Organics (Over C10-C28) | <50.0         | U                | 998         | 904.8      |               | mg/Kg |   | 89   | 70 - 130    | 8   | 20        |
| Surrogate                            | MSD %Recovery | MSD Qualifier    | Limits      |            |               |       |   |      |             |     |           |
| 1-Chlorooctane                       | 70            |                  | 70 - 130    |            |               |       |   |      |             |     |           |
| o-Terphenyl                          | 66            | S1-              | 70 - 130    |            |               |       |   |      |             |     |           |

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-44523/1-A

Matrix: Solid

Analysis Batch: 44674

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 |   |          | 01/24/23 20:02 | 1       |

Lab Sample ID: LCS 880-44523/2-A

Matrix: Solid

Analysis Batch: 44674

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|-------|---|------|-------------|
| Chloride | 250         | 245.2      |               | mg/Kg |   | 98   | 90 - 110    |

Lab Sample ID: LCSD 880-44523/3-A

Matrix: Solid

Analysis Batch: 44674

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         | 254.1       |                | mg/Kg |   | 102  | 90 - 110    | 4   | 20        |

Lab Sample ID: 880-23961-1 MS

Matrix: Solid

Analysis Batch: 44674

Client Sample ID: BH-1 (0-1')

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Chloride | 4730          | F1               | 5030        | 10570     | F1           | mg/Kg |   | 116  | 90 - 110    |

Lab Sample ID: 880-23961-1 MSD

Matrix: Solid

Analysis Batch: 44674

Client Sample ID: BH-1 (0-1')

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Chloride | 4730          | F1               | 5030        | 11040      | F1            | mg/Kg |   | 125  | 90 - 110    | 4   | 20        |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-23961-11 MS

Matrix: Solid

Analysis Batch: 44674

Client Sample ID: BH-1 (35')

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Chloride | 1100          | F1               | 1250        | 2505      | F1           | mg/Kg |   | 112  | 90 - 110    |

Lab Sample ID: 880-23961-11 MSD

Matrix: Solid

Analysis Batch: 44674

Client Sample ID: BH-1 (35')

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Chloride | 1100          | F1               | 1250        | 2567       | F1            | mg/Kg |   | 117  | 90 - 110    | 2   | 20        |

Lab Sample ID: MB 880-44524/1-A

Matrix: Solid

Analysis Batch: 44676

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 |   |          | 01/25/23 00:02 | 1       |

Lab Sample ID: LCS 880-44524/2-A

Matrix: Solid

Analysis Batch: 44676

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|-------|---|------|-------------|
| Chloride | 250         | 264.8      |               | mg/Kg |   | 106  | 90 - 110    |

Lab Sample ID: LCSD 880-44524/3-A

Matrix: Solid

Analysis Batch: 44676

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         | 265.0       |                | mg/Kg |   | 106  | 90 - 110    | 0   | 20        |

Lab Sample ID: 880-23961-21 MS

Matrix: Solid

Analysis Batch: 44676

Client Sample ID: BH-2 (25')

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Chloride | 683           | F1               | 1260        | 2390      | F1           | mg/Kg |   | 136  | 90 - 110    |

Lab Sample ID: 880-23961-21 MSD

Matrix: Solid

Analysis Batch: 44676

Client Sample ID: BH-2 (25')

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Chloride | 683           | F1               | 1260        | 2428       | F1            | mg/Kg |   | 139  | 90 - 110    | 2   | 20        |

Lab Sample ID: 880-23961-31 MS

Matrix: Solid

Analysis Batch: 44676

Client Sample ID: BH-4 (0-1')

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Chloride | 2470          |                  | 2480        | 5211      |              | mg/Kg |   | 110  | 90 - 110    |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-23961-31 MSD

Matrix: Solid

Analysis Batch: 44676

Client Sample ID: BH-4 (0-1')

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Chloride | 2470          |                  | 2480        | 5210       |               | mg/Kg |   | 110  | 90 - 110    | 0   | 20        |

Lab Sample ID: MB 880-44525/1-A

Matrix: Solid

Analysis Batch: 44678

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 |   |          | 01/25/23 03:38 | 1       |

Lab Sample ID: LCS 880-44525/2-A

Matrix: Solid

Analysis Batch: 44678

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|-------|---|------|-------------|
| Chloride | 250         | 268.5      |               | mg/Kg |   | 107  | 90 - 110    |

Lab Sample ID: LCSD 880-44525/3-A

Matrix: Solid

Analysis Batch: 44678

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         | 271.8       |                | mg/Kg |   | 109  | 90 - 110    | 1   | 20        |

Lab Sample ID: 880-23961-41 MS

Matrix: Solid

Analysis Batch: 44678

Client Sample ID: BH-4 (35')

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Chloride | 794           | F1               | 1260        | 2313      | F1           | mg/Kg |   | 121  | 90 - 110    |

Lab Sample ID: 880-23961-41 MSD

Matrix: Solid

Analysis Batch: 44678

Client Sample ID: BH-4 (35')

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Chloride | 794           | F1               | 1260        | 2316       | F1            | mg/Kg |   | 121  | 90 - 110    | 0   | 20        |

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

## GC VOA

## Prep Batch: 44392

| Lab Sample ID    | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| MB 880-44392/5-A | Method Blank     | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 44509

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-23961-1        | BH-1 (0-1')            | Total/NA  | Solid  | 8021B  | 44576      |
| 880-23961-2        | BH-1 (2-3')            | Total/NA  | Solid  | 8021B  | 44576      |
| 880-23961-3        | BH-1 (4-5')            | Total/NA  | Solid  | 8021B  | 44576      |
| 880-23961-4        | BH-1 (6-7')            | Total/NA  | Solid  | 8021B  | 44576      |
| 880-23961-5        | BH-1 (9-10')           | Total/NA  | Solid  | 8021B  | 44576      |
| 880-23961-6        | BH-1 (11-12')          | Total/NA  | Solid  | 8021B  | 44576      |
| 880-23961-7        | BH-1 (14-15')          | Total/NA  | Solid  | 8021B  | 44576      |
| 880-23961-8        | BH-1 (20')             | Total/NA  | Solid  | 8021B  | 44576      |
| 880-23961-9        | BH-1 (25')             | Total/NA  | Solid  | 8021B  | 44576      |
| 880-23961-10       | BH-1 (30')             | Total/NA  | Solid  | 8021B  | 44576      |
| 880-23961-11       | BH-1 (35')             | Total/NA  | Solid  | 8021B  | 44576      |
| 880-23961-12       | BH-1 (40')             | Total/NA  | Solid  | 8021B  | 44576      |
| 880-23961-13       | BH-2 (0-1')            | Total/NA  | Solid  | 8021B  | 44576      |
| 880-23961-14       | BH-2 (2-3')            | Total/NA  | Solid  | 8021B  | 44576      |
| 880-23961-15       | BH-2 (4-5')            | Total/NA  | Solid  | 8021B  | 44576      |
| 880-23961-16       | BH-2 (6-7')            | Total/NA  | Solid  | 8021B  | 44576      |
| 880-23961-17       | BH-2 (9-10')           | Total/NA  | Solid  | 8021B  | 44576      |
| 880-23961-18       | BH-2 (11-12')          | Total/NA  | Solid  | 8021B  | 44576      |
| 880-23961-19       | BH-2 (14-12')          | Total/NA  | Solid  | 8021B  | 44576      |
| 880-23961-20       | BH-2 (20')             | Total/NA  | Solid  | 8021B  | 44576      |
| MB 880-44392/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 44392      |
| MB 880-44576/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 44576      |
| LCS 880-44576/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 44576      |
| LCSD 880-44576/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 44576      |
| 880-23961-1 MS     | BH-1 (0-1')            | Total/NA  | Solid  | 8021B  | 44576      |
| 880-23961-1 MSD    | BH-1 (0-1')            | Total/NA  | Solid  | 8021B  | 44576      |

## Prep Batch: 44550

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-23961-41        | BH-4 (35')             | Total/NA  | Solid  | 5035   |            |
| 880-23961-42        | BH-4 (40')             | Total/NA  | Solid  | 5035   |            |
| 880-23961-43        | BH-4 (45')             | Total/NA  | Solid  | 5035   |            |
| MB 880-44550/5-A    | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-44550/1-A   | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-44550/2-A  | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-24013-A-1-A MS  | Matrix Spike           | Total/NA  | Solid  | 5035   |            |
| 880-24013-A-1-B MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 5035   |            |

## Prep Batch: 44576

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 880-23961-1   | BH-1 (0-1')      | Total/NA  | Solid  | 5035   |            |
| 880-23961-2   | BH-1 (2-3')      | Total/NA  | Solid  | 5035   |            |
| 880-23961-3   | BH-1 (4-5')      | Total/NA  | Solid  | 5035   |            |
| 880-23961-4   | BH-1 (6-7')      | Total/NA  | Solid  | 5035   |            |
| 880-23961-5   | BH-1 (9-10')     | Total/NA  | Solid  | 5035   |            |
| 880-23961-6   | BH-1 (11-12')    | Total/NA  | Solid  | 5035   |            |
| 880-23961-7   | BH-1 (14-15')    | Total/NA  | Solid  | 5035   |            |

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

## GC VOA (Continued)

## Prep Batch: 44576 (Continued)

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-23961-8        | BH-1 (20')             | Total/NA  | Solid  | 5035   |            |
| 880-23961-9        | BH-1 (25')             | Total/NA  | Solid  | 5035   |            |
| 880-23961-10       | BH-1 (30')             | Total/NA  | Solid  | 5035   |            |
| 880-23961-11       | BH-1 (35')             | Total/NA  | Solid  | 5035   |            |
| 880-23961-12       | BH-1 (40')             | Total/NA  | Solid  | 5035   |            |
| 880-23961-13       | BH-2 (0-1')            | Total/NA  | Solid  | 5035   |            |
| 880-23961-14       | BH-2 (2-3')            | Total/NA  | Solid  | 5035   |            |
| 880-23961-15       | BH-2 (4-5')            | Total/NA  | Solid  | 5035   |            |
| 880-23961-16       | BH-2 (6-7')            | Total/NA  | Solid  | 5035   |            |
| 880-23961-17       | BH-2 (9-10')           | Total/NA  | Solid  | 5035   |            |
| 880-23961-18       | BH-2 (11-12')          | Total/NA  | Solid  | 5035   |            |
| 880-23961-19       | BH-2 (14-12')          | Total/NA  | Solid  | 5035   |            |
| 880-23961-20       | BH-2 (20')             | Total/NA  | Solid  | 5035   |            |
| MB 880-44576/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-44576/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-44576/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-23961-1 MS     | BH-1 (0-1')            | Total/NA  | Solid  | 5035   |            |
| 880-23961-1 MSD    | BH-1 (0-1')            | Total/NA  | Solid  | 5035   |            |

## Prep Batch: 44577

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-23961-21       | BH-2 (25')             | Total/NA  | Solid  | 5035   |            |
| 880-23961-22       | BH-2 (30')             | Total/NA  | Solid  | 5035   |            |
| 880-23961-23       | BH-2 (35')             | Total/NA  | Solid  | 5035   |            |
| 880-23961-24       | BH-2 (40')             | Total/NA  | Solid  | 5035   |            |
| 880-23961-25       | BH-3 (0-1')            | Total/NA  | Solid  | 5035   |            |
| 880-23961-26       | BH-3 (2-3')            | Total/NA  | Solid  | 5035   |            |
| 880-23961-27       | BH-3 (4-5')            | Total/NA  | Solid  | 5035   |            |
| 880-23961-28       | BH-3 (6-7')            | Total/NA  | Solid  | 5035   |            |
| 880-23961-29       | BH-3 (9-10')           | Total/NA  | Solid  | 5035   |            |
| 880-23961-30       | BH-3 (11-12')          | Total/NA  | Solid  | 5035   |            |
| 880-23961-31       | BH-4 (0-1')            | Total/NA  | Solid  | 5035   |            |
| 880-23961-32       | BH-(2-3')              | Total/NA  | Solid  | 5035   |            |
| 880-23961-33       | BH-4 (4-5')            | Total/NA  | Solid  | 5035   |            |
| 880-23961-34       | BH-4 (6-7')            | Total/NA  | Solid  | 5035   |            |
| 880-23961-35       | BH-4 (9-10')           | Total/NA  | Solid  | 5035   |            |
| 880-23961-36       | BH-4 (11-12')          | Total/NA  | Solid  | 5035   |            |
| 880-23961-37       | BH-4 (14-15')          | Total/NA  | Solid  | 5035   |            |
| 880-23961-38       | BH-4 (20')             | Total/NA  | Solid  | 5035   |            |
| 880-23961-39       | BH-4 (25')             | Total/NA  | Solid  | 5035   |            |
| 880-23961-40       | BH-4 (30')             | Total/NA  | Solid  | 5035   |            |
| MB 880-44577/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-44577/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-44577/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-23961-21 MS    | BH-2 (25')             | Total/NA  | Solid  | 5035   |            |
| 880-23961-21 MSD   | BH-2 (25')             | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 44579

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 880-23961-21  | BH-2 (25')       | Total/NA  | Solid  | 8021B  | 44577      |
| 880-23961-22  | BH-2 (30')       | Total/NA  | Solid  | 8021B  | 44577      |

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

## GC VOA (Continued)

## Analysis Batch: 44579 (Continued)

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-23961-23       | BH-2 (35')             | Total/NA  | Solid  | 8021B  | 44577      |
| 880-23961-24       | BH-2 (40')             | Total/NA  | Solid  | 8021B  | 44577      |
| 880-23961-25       | BH-3 (0-1')            | Total/NA  | Solid  | 8021B  | 44577      |
| 880-23961-26       | BH-3 (2-3')            | Total/NA  | Solid  | 8021B  | 44577      |
| 880-23961-27       | BH-3 (4-5')            | Total/NA  | Solid  | 8021B  | 44577      |
| 880-23961-28       | BH-3 (6-7')            | Total/NA  | Solid  | 8021B  | 44577      |
| 880-23961-29       | BH-3 (9-10')           | Total/NA  | Solid  | 8021B  | 44577      |
| 880-23961-30       | BH-3 (11-12')          | Total/NA  | Solid  | 8021B  | 44577      |
| 880-23961-31       | BH-4 (0-1')            | Total/NA  | Solid  | 8021B  | 44577      |
| 880-23961-32       | BH-(2-3')              | Total/NA  | Solid  | 8021B  | 44577      |
| 880-23961-33       | BH-4 (4-5')            | Total/NA  | Solid  | 8021B  | 44577      |
| 880-23961-34       | BH-4 (6-7')            | Total/NA  | Solid  | 8021B  | 44577      |
| 880-23961-35       | BH-4 (9-10')           | Total/NA  | Solid  | 8021B  | 44577      |
| 880-23961-36       | BH-4 (11-12')          | Total/NA  | Solid  | 8021B  | 44577      |
| 880-23961-37       | BH-4 (14-15')          | Total/NA  | Solid  | 8021B  | 44577      |
| 880-23961-38       | BH-4 (20')             | Total/NA  | Solid  | 8021B  | 44577      |
| 880-23961-39       | BH-4 (25')             | Total/NA  | Solid  | 8021B  | 44577      |
| 880-23961-40       | BH-4 (30')             | Total/NA  | Solid  | 8021B  | 44577      |
| MB 880-44577/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 44577      |
| LCS 880-44577/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 44577      |
| LCSD 880-44577/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 44577      |
| 880-23961-21 MS    | BH-2 (25')             | Total/NA  | Solid  | 8021B  | 44577      |
| 880-23961-21 MSD   | BH-2 (25')             | Total/NA  | Solid  | 8021B  | 44577      |

## Analysis Batch: 44613

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-23961-41        | BH-4 (35')             | Total/NA  | Solid  | 8021B  | 44550      |
| 880-23961-42        | BH-4 (40')             | Total/NA  | Solid  | 8021B  | 44550      |
| 880-23961-43        | BH-4 (45')             | Total/NA  | Solid  | 8021B  | 44550      |
| MB 880-44550/5-A    | Method Blank           | Total/NA  | Solid  | 8021B  | 44550      |
| LCS 880-44550/1-A   | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 44550      |
| LCSD 880-44550/2-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 44550      |
| 880-24013-A-1-A MS  | Matrix Spike           | Total/NA  | Solid  | 8021B  | 44550      |
| 880-24013-A-1-B MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8021B  | 44550      |

## Analysis Batch: 44634

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 880-23961-1   | BH-1 (0-1')      | Total/NA  | Solid  | Total BTEX |            |
| 880-23961-2   | BH-1 (2-3')      | Total/NA  | Solid  | Total BTEX |            |
| 880-23961-3   | BH-1 (4-5')      | Total/NA  | Solid  | Total BTEX |            |
| 880-23961-4   | BH-1 (6-7')      | Total/NA  | Solid  | Total BTEX |            |
| 880-23961-5   | BH-1 (9-10')     | Total/NA  | Solid  | Total BTEX |            |
| 880-23961-6   | BH-1 (11-12')    | Total/NA  | Solid  | Total BTEX |            |
| 880-23961-7   | BH-1 (14-15')    | Total/NA  | Solid  | Total BTEX |            |
| 880-23961-8   | BH-1 (20')       | Total/NA  | Solid  | Total BTEX |            |
| 880-23961-9   | BH-1 (25')       | Total/NA  | Solid  | Total BTEX |            |
| 880-23961-10  | BH-1 (30')       | Total/NA  | Solid  | Total BTEX |            |
| 880-23961-11  | BH-1 (35')       | Total/NA  | Solid  | Total BTEX |            |
| 880-23961-12  | BH-1 (40')       | Total/NA  | Solid  | Total BTEX |            |
| 880-23961-13  | BH-2 (0-1')      | Total/NA  | Solid  | Total BTEX |            |
| 880-23961-14  | BH-2 (2-3')      | Total/NA  | Solid  | Total BTEX |            |

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

## GC VOA (Continued)

## Analysis Batch: 44634 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 880-23961-15  | BH-2 (4-5')      | Total/NA  | Solid  | Total BTEX |            |
| 880-23961-16  | BH-2 (6-7')      | Total/NA  | Solid  | Total BTEX |            |
| 880-23961-17  | BH-2 (9-10')     | Total/NA  | Solid  | Total BTEX |            |
| 880-23961-18  | BH-2 (11-12')    | Total/NA  | Solid  | Total BTEX |            |
| 880-23961-19  | BH-2 (14-12')    | Total/NA  | Solid  | Total BTEX |            |
| 880-23961-20  | BH-2 (20')       | Total/NA  | Solid  | Total BTEX |            |
| 880-23961-21  | BH-2 (25')       | Total/NA  | Solid  | Total BTEX |            |
| 880-23961-22  | BH-2 (30')       | Total/NA  | Solid  | Total BTEX |            |
| 880-23961-23  | BH-2 (35')       | Total/NA  | Solid  | Total BTEX |            |
| 880-23961-24  | BH-2 (40')       | Total/NA  | Solid  | Total BTEX |            |
| 880-23961-25  | BH-3 (0-1')      | Total/NA  | Solid  | Total BTEX |            |
| 880-23961-26  | BH-3 (2-3')      | Total/NA  | Solid  | Total BTEX |            |
| 880-23961-27  | BH-3 (4-5')      | Total/NA  | Solid  | Total BTEX |            |
| 880-23961-28  | BH-3 (6-7')      | Total/NA  | Solid  | Total BTEX |            |
| 880-23961-29  | BH-3 (9-10')     | Total/NA  | Solid  | Total BTEX |            |
| 880-23961-30  | BH-3 (11-12')    | Total/NA  | Solid  | Total BTEX |            |
| 880-23961-31  | BH-4 (0-1')      | Total/NA  | Solid  | Total BTEX |            |
| 880-23961-32  | BH-(2-3')        | Total/NA  | Solid  | Total BTEX |            |
| 880-23961-33  | BH-4 (4-5')      | Total/NA  | Solid  | Total BTEX |            |
| 880-23961-34  | BH-4 (6-7')      | Total/NA  | Solid  | Total BTEX |            |
| 880-23961-35  | BH-4 (9-10')     | Total/NA  | Solid  | Total BTEX |            |
| 880-23961-36  | BH-4 (11-12')    | Total/NA  | Solid  | Total BTEX |            |
| 880-23961-37  | BH-4 (14-15')    | Total/NA  | Solid  | Total BTEX |            |
| 880-23961-38  | BH-4 (20')       | Total/NA  | Solid  | Total BTEX |            |
| 880-23961-39  | BH-4 (25')       | Total/NA  | Solid  | Total BTEX |            |
| 880-23961-40  | BH-4 (30')       | Total/NA  | Solid  | Total BTEX |            |
| 880-23961-41  | BH-4 (35')       | Total/NA  | Solid  | Total BTEX |            |
| 880-23961-42  | BH-4 (40')       | Total/NA  | Solid  | Total BTEX |            |
| 880-23961-43  | BH-4 (45')       | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Analysis Batch: 44608

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-23961-41       | BH-4 (35')             | Total/NA  | Solid  | 8015B NM | 44671      |
| 880-23961-42       | BH-4 (40')             | Total/NA  | Solid  | 8015B NM | 44671      |
| 880-23961-43       | BH-4 (45')             | Total/NA  | Solid  | 8015B NM | 44671      |
| MB 880-44671/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 44671      |
| LCS 880-44671/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 44671      |
| LCSD 880-44671/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 44671      |
| 880-23961-41 MS    | BH-4 (35')             | Total/NA  | Solid  | 8015B NM | 44671      |
| 880-23961-41 MSD   | BH-4 (35')             | Total/NA  | Solid  | 8015B NM | 44671      |

## Analysis Batch: 44609

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 880-23961-1   | BH-1 (0-1')      | Total/NA  | Solid  | 8015B NM | 44647      |
| 880-23961-2   | BH-1 (2-3')      | Total/NA  | Solid  | 8015B NM | 44647      |
| 880-23961-3   | BH-1 (4-5')      | Total/NA  | Solid  | 8015B NM | 44647      |
| 880-23961-4   | BH-1 (6-7')      | Total/NA  | Solid  | 8015B NM | 44647      |
| 880-23961-5   | BH-1 (9-10')     | Total/NA  | Solid  | 8015B NM | 44647      |
| 880-23961-6   | BH-1 (11-12')    | Total/NA  | Solid  | 8015B NM | 44647      |

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

## GC Semi VOA (Continued)

## Analysis Batch: 44609 (Continued)

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-23961-7        | BH-1 (14-15')          | Total/NA  | Solid  | 8015B NM | 44647      |
| 880-23961-8        | BH-1 (20')             | Total/NA  | Solid  | 8015B NM | 44647      |
| 880-23961-9        | BH-1 (25')             | Total/NA  | Solid  | 8015B NM | 44647      |
| 880-23961-10       | BH-1 (30')             | Total/NA  | Solid  | 8015B NM | 44647      |
| 880-23961-11       | BH-1 (35')             | Total/NA  | Solid  | 8015B NM | 44647      |
| 880-23961-12       | BH-1 (40')             | Total/NA  | Solid  | 8015B NM | 44647      |
| 880-23961-13       | BH-2 (0-1')            | Total/NA  | Solid  | 8015B NM | 44647      |
| 880-23961-14       | BH-2 (2-3')            | Total/NA  | Solid  | 8015B NM | 44647      |
| 880-23961-15       | BH-2 (4-5')            | Total/NA  | Solid  | 8015B NM | 44647      |
| 880-23961-16       | BH-2 (6-7')            | Total/NA  | Solid  | 8015B NM | 44647      |
| 880-23961-17       | BH-2 (9-10')           | Total/NA  | Solid  | 8015B NM | 44647      |
| 880-23961-18       | BH-2 (11-12')          | Total/NA  | Solid  | 8015B NM | 44647      |
| 880-23961-19       | BH-2 (14-12')          | Total/NA  | Solid  | 8015B NM | 44647      |
| 880-23961-20       | BH-2 (20')             | Total/NA  | Solid  | 8015B NM | 44647      |
| MB 880-44647/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 44647      |
| LCS 880-44647/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 44647      |
| LCSD 880-44647/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 44647      |
| 880-23961-1 MS     | BH-1 (0-1')            | Total/NA  | Solid  | 8015B NM | 44647      |
| 880-23961-1 MSD    | BH-1 (0-1')            | Total/NA  | Solid  | 8015B NM | 44647      |

## Analysis Batch: 44611

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-23961-21       | BH-2 (25')             | Total/NA  | Solid  | 8015B NM | 44648      |
| 880-23961-22       | BH-2 (30')             | Total/NA  | Solid  | 8015B NM | 44648      |
| 880-23961-23       | BH-2 (35')             | Total/NA  | Solid  | 8015B NM | 44648      |
| 880-23961-24       | BH-2 (40')             | Total/NA  | Solid  | 8015B NM | 44648      |
| 880-23961-25       | BH-3 (0-1')            | Total/NA  | Solid  | 8015B NM | 44648      |
| 880-23961-26       | BH-3 (2-3')            | Total/NA  | Solid  | 8015B NM | 44648      |
| 880-23961-27       | BH-3 (4-5')            | Total/NA  | Solid  | 8015B NM | 44648      |
| 880-23961-28       | BH-3 (6-7')            | Total/NA  | Solid  | 8015B NM | 44648      |
| 880-23961-29       | BH-3 (9-10')           | Total/NA  | Solid  | 8015B NM | 44648      |
| 880-23961-30       | BH-3 (11-12')          | Total/NA  | Solid  | 8015B NM | 44648      |
| 880-23961-31       | BH-4 (0-1')            | Total/NA  | Solid  | 8015B NM | 44648      |
| 880-23961-32       | BH-(2-3')              | Total/NA  | Solid  | 8015B NM | 44648      |
| 880-23961-33       | BH-4 (4-5')            | Total/NA  | Solid  | 8015B NM | 44648      |
| 880-23961-34       | BH-4 (6-7')            | Total/NA  | Solid  | 8015B NM | 44648      |
| 880-23961-35       | BH-4 (9-10')           | Total/NA  | Solid  | 8015B NM | 44648      |
| 880-23961-36       | BH-4 (11-12')          | Total/NA  | Solid  | 8015B NM | 44648      |
| 880-23961-37       | BH-4 (14-15')          | Total/NA  | Solid  | 8015B NM | 44648      |
| 880-23961-38       | BH-4 (20')             | Total/NA  | Solid  | 8015B NM | 44648      |
| 880-23961-39       | BH-4 (25')             | Total/NA  | Solid  | 8015B NM | 44648      |
| 880-23961-40       | BH-4 (30')             | Total/NA  | Solid  | 8015B NM | 44648      |
| MB 880-44648/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 44648      |
| LCS 880-44648/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 44648      |
| LCSD 880-44648/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 44648      |
| 880-23961-21 MS    | BH-2 (25')             | Total/NA  | Solid  | 8015B NM | 44648      |
| 880-23961-21 MSD   | BH-2 (25')             | Total/NA  | Solid  | 8015B NM | 44648      |

## Prep Batch: 44647

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method      | Prep Batch |
|---------------|------------------|-----------|--------|-------------|------------|
| 880-23961-1   | BH-1 (0-1')      | Total/NA  | Solid  | 8015NM Prep |            |

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

## GC Semi VOA (Continued)

## Prep Batch: 44647 (Continued)

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 880-23961-2        | BH-1 (2-3')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23961-3        | BH-1 (4-5')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23961-4        | BH-1 (6-7')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23961-5        | BH-1 (9-10')           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23961-6        | BH-1 (11-12')          | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23961-7        | BH-1 (14-15')          | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23961-8        | BH-1 (20')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23961-9        | BH-1 (25')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23961-10       | BH-1 (30')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23961-11       | BH-1 (35')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23961-12       | BH-1 (40')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23961-13       | BH-2 (0-1')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23961-14       | BH-2 (2-3')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23961-15       | BH-2 (4-5')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23961-16       | BH-2 (6-7')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23961-17       | BH-2 (9-10')           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23961-18       | BH-2 (11-12')          | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23961-19       | BH-2 (14-12')          | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23961-20       | BH-2 (20')             | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-44647/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-44647/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-44647/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23961-1 MS     | BH-1 (0-1')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23961-1 MSD    | BH-1 (0-1')            | Total/NA  | Solid  | 8015NM Prep |            |

## Prep Batch: 44648

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 880-23961-21       | BH-2 (25')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23961-22       | BH-2 (30')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23961-23       | BH-2 (35')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23961-24       | BH-2 (40')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23961-25       | BH-3 (0-1')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23961-26       | BH-3 (2-3')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23961-27       | BH-3 (4-5')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23961-28       | BH-3 (6-7')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23961-29       | BH-3 (9-10')           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23961-30       | BH-3 (11-12')          | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23961-31       | BH-4 (0-1')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23961-32       | BH-2(2-3')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23961-33       | BH-4 (4-5')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23961-34       | BH-4 (6-7')            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23961-35       | BH-4 (9-10')           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23961-36       | BH-4 (11-12')          | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23961-37       | BH-4 (14-15')          | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23961-38       | BH-4 (20')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23961-39       | BH-4 (25')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23961-40       | BH-4 (30')             | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-44648/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-44648/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-44648/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23961-21 MS    | BH-2 (25')             | Total/NA  | Solid  | 8015NM Prep |            |

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

## GC Semi VOA (Continued)

## Prep Batch: 44648 (Continued)

| Lab Sample ID    | Client Sample ID | Prep Type | Matrix | Method      | Prep Batch |
|------------------|------------------|-----------|--------|-------------|------------|
| 880-23961-21 MSD | BH-2 (25')       | Total/NA  | Solid  | 8015NM Prep |            |

## Prep Batch: 44671

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 880-23961-41       | BH-4 (35')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23961-42       | BH-4 (40')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23961-43       | BH-4 (45')             | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-44671/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-44671/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-44671/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23961-41 MS    | BH-4 (35')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-23961-41 MSD   | BH-4 (35')             | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 44746

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-23961-1   | BH-1 (0-1')      | Total/NA  | Solid  | 8015 NM |            |
| 880-23961-2   | BH-1 (2-3')      | Total/NA  | Solid  | 8015 NM |            |
| 880-23961-3   | BH-1 (4-5')      | Total/NA  | Solid  | 8015 NM |            |
| 880-23961-4   | BH-1 (6-7')      | Total/NA  | Solid  | 8015 NM |            |
| 880-23961-5   | BH-1 (9-10')     | Total/NA  | Solid  | 8015 NM |            |
| 880-23961-6   | BH-1 (11-12')    | Total/NA  | Solid  | 8015 NM |            |
| 880-23961-7   | BH-1 (14-15')    | Total/NA  | Solid  | 8015 NM |            |
| 880-23961-8   | BH-1 (20')       | Total/NA  | Solid  | 8015 NM |            |
| 880-23961-9   | BH-1 (25')       | Total/NA  | Solid  | 8015 NM |            |
| 880-23961-10  | BH-1 (30')       | Total/NA  | Solid  | 8015 NM |            |
| 880-23961-11  | BH-1 (35')       | Total/NA  | Solid  | 8015 NM |            |
| 880-23961-12  | BH-1 (40')       | Total/NA  | Solid  | 8015 NM |            |
| 880-23961-13  | BH-2 (0-1')      | Total/NA  | Solid  | 8015 NM |            |
| 880-23961-14  | BH-2 (2-3')      | Total/NA  | Solid  | 8015 NM |            |
| 880-23961-15  | BH-2 (4-5')      | Total/NA  | Solid  | 8015 NM |            |
| 880-23961-16  | BH-2 (6-7')      | Total/NA  | Solid  | 8015 NM |            |
| 880-23961-17  | BH-2 (9-10')     | Total/NA  | Solid  | 8015 NM |            |
| 880-23961-18  | BH-2 (11-12')    | Total/NA  | Solid  | 8015 NM |            |
| 880-23961-19  | BH-2 (14-12')    | Total/NA  | Solid  | 8015 NM |            |
| 880-23961-20  | BH-2 (20')       | Total/NA  | Solid  | 8015 NM |            |
| 880-23961-21  | BH-2 (25')       | Total/NA  | Solid  | 8015 NM |            |
| 880-23961-22  | BH-2 (30')       | Total/NA  | Solid  | 8015 NM |            |
| 880-23961-23  | BH-2 (35')       | Total/NA  | Solid  | 8015 NM |            |
| 880-23961-24  | BH-2 (40')       | Total/NA  | Solid  | 8015 NM |            |
| 880-23961-25  | BH-3 (0-1')      | Total/NA  | Solid  | 8015 NM |            |
| 880-23961-26  | BH-3 (2-3')      | Total/NA  | Solid  | 8015 NM |            |
| 880-23961-27  | BH-3 (4-5')      | Total/NA  | Solid  | 8015 NM |            |
| 880-23961-28  | BH-3 (6-7')      | Total/NA  | Solid  | 8015 NM |            |
| 880-23961-29  | BH-3 (9-10')     | Total/NA  | Solid  | 8015 NM |            |
| 880-23961-30  | BH-3 (11-12')    | Total/NA  | Solid  | 8015 NM |            |
| 880-23961-31  | BH-4 (0-1')      | Total/NA  | Solid  | 8015 NM |            |
| 880-23961-32  | BH-(2-3')        | Total/NA  | Solid  | 8015 NM |            |
| 880-23961-33  | BH-4 (4-5')      | Total/NA  | Solid  | 8015 NM |            |
| 880-23961-34  | BH-4 (6-7')      | Total/NA  | Solid  | 8015 NM |            |
| 880-23961-35  | BH-4 (9-10')     | Total/NA  | Solid  | 8015 NM |            |
| 880-23961-36  | BH-4 (11-12')    | Total/NA  | Solid  | 8015 NM |            |

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

## GC Semi VOA (Continued)

## Analysis Batch: 44746 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-23961-37  | BH-4 (14-15')    | Total/NA  | Solid  | 8015 NM |            |
| 880-23961-38  | BH-4 (20')       | Total/NA  | Solid  | 8015 NM |            |
| 880-23961-39  | BH-4 (25')       | Total/NA  | Solid  | 8015 NM |            |
| 880-23961-40  | BH-4 (30')       | Total/NA  | Solid  | 8015 NM |            |
| 880-23961-41  | BH-4 (35')       | Total/NA  | Solid  | 8015 NM |            |
| 880-23961-42  | BH-4 (40')       | Total/NA  | Solid  | 8015 NM |            |
| 880-23961-43  | BH-4 (45')       | Total/NA  | Solid  | 8015 NM |            |

## HPLC/IC

## Leach Batch: 44523

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-23961-1        | BH-1 (0-1')            | Soluble   | Solid  | DI Leach |            |
| 880-23961-2        | BH-1 (2-3')            | Soluble   | Solid  | DI Leach |            |
| 880-23961-3        | BH-1 (4-5')            | Soluble   | Solid  | DI Leach |            |
| 880-23961-4        | BH-1 (6-7')            | Soluble   | Solid  | DI Leach |            |
| 880-23961-5        | BH-1 (9-10')           | Soluble   | Solid  | DI Leach |            |
| 880-23961-6        | BH-1 (11-12')          | Soluble   | Solid  | DI Leach |            |
| 880-23961-7        | BH-1 (14-15')          | Soluble   | Solid  | DI Leach |            |
| 880-23961-8        | BH-1 (20')             | Soluble   | Solid  | DI Leach |            |
| 880-23961-9        | BH-1 (25')             | Soluble   | Solid  | DI Leach |            |
| 880-23961-10       | BH-1 (30')             | Soluble   | Solid  | DI Leach |            |
| 880-23961-11       | BH-1 (35')             | Soluble   | Solid  | DI Leach |            |
| 880-23961-12       | BH-1 (40')             | Soluble   | Solid  | DI Leach |            |
| 880-23961-13       | BH-2 (0-1')            | Soluble   | Solid  | DI Leach |            |
| 880-23961-14       | BH-2 (2-3')            | Soluble   | Solid  | DI Leach |            |
| 880-23961-15       | BH-2 (4-5')            | Soluble   | Solid  | DI Leach |            |
| 880-23961-16       | BH-2 (6-7')            | Soluble   | Solid  | DI Leach |            |
| 880-23961-17       | BH-2 (9-10')           | Soluble   | Solid  | DI Leach |            |
| 880-23961-18       | BH-2 (11-12')          | Soluble   | Solid  | DI Leach |            |
| 880-23961-19       | BH-2 (14-12')          | Soluble   | Solid  | DI Leach |            |
| 880-23961-20       | BH-2 (20')             | Soluble   | Solid  | DI Leach |            |
| MB 880-44523/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-44523/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-44523/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-23961-1 MS     | BH-1 (0-1')            | Soluble   | Solid  | DI Leach |            |
| 880-23961-1 MSD    | BH-1 (0-1')            | Soluble   | Solid  | DI Leach |            |
| 880-23961-11 MS    | BH-1 (35')             | Soluble   | Solid  | DI Leach |            |
| 880-23961-11 MSD   | BH-1 (35')             | Soluble   | Solid  | DI Leach |            |

## Leach Batch: 44524

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 880-23961-21  | BH-2 (25')       | Soluble   | Solid  | DI Leach |            |
| 880-23961-22  | BH-2 (30')       | Soluble   | Solid  | DI Leach |            |
| 880-23961-23  | BH-2 (35')       | Soluble   | Solid  | DI Leach |            |
| 880-23961-24  | BH-2 (40')       | Soluble   | Solid  | DI Leach |            |
| 880-23961-25  | BH-3 (0-1')      | Soluble   | Solid  | DI Leach |            |
| 880-23961-26  | BH-3 (2-3')      | Soluble   | Solid  | DI Leach |            |
| 880-23961-27  | BH-3 (4-5')      | Soluble   | Solid  | DI Leach |            |
| 880-23961-28  | BH-3 (6-7')      | Soluble   | Solid  | DI Leach |            |
| 880-23961-29  | BH-3 (9-10')     | Soluble   | Solid  | DI Leach |            |

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

## HPLC/IC (Continued)

## Leach Batch: 44524 (Continued)

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-23961-30       | BH-3 (11-12')          | Soluble   | Solid  | DI Leach |            |
| 880-23961-31       | BH-4 (0-1')            | Soluble   | Solid  | DI Leach |            |
| 880-23961-32       | BH-(2-3')              | Soluble   | Solid  | DI Leach |            |
| 880-23961-33       | BH-4 (4-5')            | Soluble   | Solid  | DI Leach |            |
| 880-23961-34       | BH-4 (6-7')            | Soluble   | Solid  | DI Leach |            |
| 880-23961-35       | BH-4 (9-10')           | Soluble   | Solid  | DI Leach |            |
| 880-23961-36       | BH-4 (11-12')          | Soluble   | Solid  | DI Leach |            |
| 880-23961-37       | BH-4 (14-15')          | Soluble   | Solid  | DI Leach |            |
| 880-23961-38       | BH-4 (20')             | Soluble   | Solid  | DI Leach |            |
| 880-23961-39       | BH-4 (25')             | Soluble   | Solid  | DI Leach |            |
| 880-23961-40       | BH-4 (30')             | Soluble   | Solid  | DI Leach |            |
| MB 880-44524/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-44524/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-44524/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-23961-21 MS    | BH-2 (25')             | Soluble   | Solid  | DI Leach |            |
| 880-23961-21 MSD   | BH-2 (25')             | Soluble   | Solid  | DI Leach |            |
| 880-23961-31 MS    | BH-4 (0-1')            | Soluble   | Solid  | DI Leach |            |
| 880-23961-31 MSD   | BH-4 (0-1')            | Soluble   | Solid  | DI Leach |            |

## Leach Batch: 44525

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-23961-41       | BH-4 (35')             | Soluble   | Solid  | DI Leach |            |
| 880-23961-42       | BH-4 (40')             | Soluble   | Solid  | DI Leach |            |
| 880-23961-43       | BH-4 (45')             | Soluble   | Solid  | DI Leach |            |
| MB 880-44525/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-44525/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-44525/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-23961-41 MS    | BH-4 (35')             | Soluble   | Solid  | DI Leach |            |
| 880-23961-41 MSD   | BH-4 (35')             | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 44674

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 880-23961-1   | BH-1 (0-1')      | Soluble   | Solid  | 300.0  | 44523      |
| 880-23961-2   | BH-1 (2-3')      | Soluble   | Solid  | 300.0  | 44523      |
| 880-23961-3   | BH-1 (4-5')      | Soluble   | Solid  | 300.0  | 44523      |
| 880-23961-4   | BH-1 (6-7')      | Soluble   | Solid  | 300.0  | 44523      |
| 880-23961-5   | BH-1 (9-10')     | Soluble   | Solid  | 300.0  | 44523      |
| 880-23961-6   | BH-1 (11-12')    | Soluble   | Solid  | 300.0  | 44523      |
| 880-23961-7   | BH-1 (14-15')    | Soluble   | Solid  | 300.0  | 44523      |
| 880-23961-8   | BH-1 (20')       | Soluble   | Solid  | 300.0  | 44523      |
| 880-23961-9   | BH-1 (25')       | Soluble   | Solid  | 300.0  | 44523      |
| 880-23961-10  | BH-1 (30')       | Soluble   | Solid  | 300.0  | 44523      |
| 880-23961-11  | BH-1 (35')       | Soluble   | Solid  | 300.0  | 44523      |
| 880-23961-12  | BH-1 (40')       | Soluble   | Solid  | 300.0  | 44523      |
| 880-23961-13  | BH-2 (0-1')      | Soluble   | Solid  | 300.0  | 44523      |
| 880-23961-14  | BH-2 (2-3')      | Soluble   | Solid  | 300.0  | 44523      |
| 880-23961-15  | BH-2 (4-5')      | Soluble   | Solid  | 300.0  | 44523      |
| 880-23961-16  | BH-2 (6-7')      | Soluble   | Solid  | 300.0  | 44523      |
| 880-23961-17  | BH-2 (9-10')     | Soluble   | Solid  | 300.0  | 44523      |
| 880-23961-18  | BH-2 (11-12')    | Soluble   | Solid  | 300.0  | 44523      |
| 880-23961-19  | BH-2 (14-12')    | Soluble   | Solid  | 300.0  | 44523      |

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

## HPLC/IC (Continued)

## Analysis Batch: 44674 (Continued)

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-23961-20       | BH-2 (20')             | Soluble   | Solid  | 300.0  | 44523      |
| MB 880-44523/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 44523      |
| LCS 880-44523/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 44523      |
| LCSD 880-44523/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 44523      |
| 880-23961-1 MS     | BH-1 (0-1')            | Soluble   | Solid  | 300.0  | 44523      |
| 880-23961-1 MSD    | BH-1 (0-1')            | Soluble   | Solid  | 300.0  | 44523      |
| 880-23961-11 MS    | BH-1 (35')             | Soluble   | Solid  | 300.0  | 44523      |
| 880-23961-11 MSD   | BH-1 (35')             | Soluble   | Solid  | 300.0  | 44523      |

## Analysis Batch: 44676

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-23961-21       | BH-2 (25')             | Soluble   | Solid  | 300.0  | 44524      |
| 880-23961-22       | BH-2 (30')             | Soluble   | Solid  | 300.0  | 44524      |
| 880-23961-23       | BH-2 (35')             | Soluble   | Solid  | 300.0  | 44524      |
| 880-23961-24       | BH-2 (40')             | Soluble   | Solid  | 300.0  | 44524      |
| 880-23961-25       | BH-3 (0-1')            | Soluble   | Solid  | 300.0  | 44524      |
| 880-23961-26       | BH-3 (2-3')            | Soluble   | Solid  | 300.0  | 44524      |
| 880-23961-27       | BH-3 (4-5')            | Soluble   | Solid  | 300.0  | 44524      |
| 880-23961-28       | BH-3 (6-7')            | Soluble   | Solid  | 300.0  | 44524      |
| 880-23961-29       | BH-3 (9-10')           | Soluble   | Solid  | 300.0  | 44524      |
| 880-23961-30       | BH-3 (11-12')          | Soluble   | Solid  | 300.0  | 44524      |
| 880-23961-31       | BH-4 (0-1')            | Soluble   | Solid  | 300.0  | 44524      |
| 880-23961-32       | BH-(2-3')              | Soluble   | Solid  | 300.0  | 44524      |
| 880-23961-33       | BH-4 (4-5')            | Soluble   | Solid  | 300.0  | 44524      |
| 880-23961-34       | BH-4 (6-7')            | Soluble   | Solid  | 300.0  | 44524      |
| 880-23961-35       | BH-4 (9-10')           | Soluble   | Solid  | 300.0  | 44524      |
| 880-23961-36       | BH-4 (11-12')          | Soluble   | Solid  | 300.0  | 44524      |
| 880-23961-37       | BH-4 (14-15')          | Soluble   | Solid  | 300.0  | 44524      |
| 880-23961-38       | BH-4 (20')             | Soluble   | Solid  | 300.0  | 44524      |
| 880-23961-39       | BH-4 (25')             | Soluble   | Solid  | 300.0  | 44524      |
| 880-23961-40       | BH-4 (30')             | Soluble   | Solid  | 300.0  | 44524      |
| MB 880-44524/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 44524      |
| LCS 880-44524/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 44524      |
| LCSD 880-44524/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 44524      |
| 880-23961-21 MS    | BH-2 (25')             | Soluble   | Solid  | 300.0  | 44524      |
| 880-23961-21 MSD   | BH-2 (25')             | Soluble   | Solid  | 300.0  | 44524      |
| 880-23961-31 MS    | BH-4 (0-1')            | Soluble   | Solid  | 300.0  | 44524      |
| 880-23961-31 MSD   | BH-4 (0-1')            | Soluble   | Solid  | 300.0  | 44524      |

## Analysis Batch: 44678

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-23961-41       | BH-4 (35')             | Soluble   | Solid  | 300.0  | 44525      |
| 880-23961-42       | BH-4 (40')             | Soluble   | Solid  | 300.0  | 44525      |
| 880-23961-43       | BH-4 (45')             | Soluble   | Solid  | 300.0  | 44525      |
| MB 880-44525/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 44525      |
| LCS 880-44525/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 44525      |
| LCSD 880-44525/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 44525      |
| 880-23961-41 MS    | BH-4 (35')             | Soluble   | Solid  | 300.0  | 44525      |
| 880-23961-41 MSD   | BH-4 (35')             | Soluble   | Solid  | 300.0  | 44525      |

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## Lab Chronicle

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

Client Sample ID: BH-1 (0-1')

Lab Sample ID: 880-23961-1

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

| 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         | 44576        | 01/23/23 14:43       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 44509        | 01/24/23 00:10       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 44634        | 01/24/23 13:39       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 44746        | 01/25/23 15:57       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 44647        | 01/24/23 14:37       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 44609        | 01/25/23 00:18       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.97 g         | 50 mL        | 44523        | 01/23/23 09:48       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 20         |                |              | 44674        | 01/24/23 20:20       | CH      | EET MID |

Client Sample ID: BH-1 (2-3')

Lab Sample ID: 880-23961-2

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

| 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         | 44576        | 01/23/23 14:43       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 44509        | 01/24/23 00:30       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 44634        | 01/24/23 13:39       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 44746        | 01/25/23 15:57       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 44647        | 01/24/23 14:37       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 44609        | 01/25/23 01:35       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5 g            | 50 mL        | 44523        | 01/23/23 09:48       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 50         |                |              | 44674        | 01/24/23 20:39       | CH      | EET MID |

Client Sample ID: BH-1 (4-5')

Lab Sample ID: 880-23961-3

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

| 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         | 44576        | 01/23/23 14:43       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 44509        | 01/24/23 00:51       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 44634        | 01/24/23 13:39       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 44746        | 01/25/23 15:57       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 44647        | 01/24/23 14:37       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 44609        | 01/25/23 02:01       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 44523        | 01/23/23 09:48       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 20         |                |              | 44674        | 01/24/23 20:45       | CH      | EET MID |

Client Sample ID: BH-1 (6-7')

Lab Sample ID: 880-23961-4

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

| 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         | 44576        | 01/23/23 14:43       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 44509        | 01/24/23 01:12       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 44634        | 01/24/23 13:39       | AJ      | EET MID |

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## Lab Chronicle

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

Client Sample ID: BH-1 (6-7')

Lab Sample ID: 880-23961-4

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

| 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          |                |              | 44746        | 01/25/23 15:57       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 44647        | 01/24/23 14:37       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 44609        | 01/25/23 02:27       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 44523        | 01/23/23 09:48       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 20         |                |              | 44674        | 01/24/23 20:51       | CH      | EET MID |

Client Sample ID: BH-1 (9-10')

Lab Sample ID: 880-23961-5

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

| 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         | 44576        | 01/23/23 14:43       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 44509        | 01/24/23 01:32       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 44634        | 01/24/23 13:39       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 44746        | 01/25/23 15:57       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 44647        | 01/24/23 14:37       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 44609        | 01/25/23 02:53       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 44523        | 01/23/23 09:48       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 20         |                |              | 44674        | 01/24/23 20:57       | CH      | EET MID |

Client Sample ID: BH-1 (11-12')

Lab Sample ID: 880-23961-6

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

| 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         | 44576        | 01/23/23 14:43       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 44509        | 01/24/23 01:53       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 44634        | 01/24/23 13:39       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 44746        | 01/25/23 15:57       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 44647        | 01/24/23 14:37       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 44609        | 01/25/23 03:19       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 44523        | 01/23/23 09:48       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 20         |                |              | 44674        | 01/24/23 21:16       | CH      | EET MID |

Client Sample ID: BH-1 (14-15')

Lab Sample ID: 880-23961-7

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

| 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         | 44576        | 01/23/23 14:43       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 44509        | 01/24/23 02:13       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 44634        | 01/24/23 13:39       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 44746        | 01/25/23 15:57       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 44647        | 01/24/23 14:37       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 44609        | 01/25/23 03:45       | AJ      | EET MID |

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## Lab Chronicle

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

Client Sample ID: BH-1 (14-15')

Lab Sample ID: 880-23961-7

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

| 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        | 44523        | 01/23/23 09:48       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 20         |                |              | 44674        | 01/24/23 21:22       | CH      | EET MID |

Client Sample ID: BH-1 (20')

Lab Sample ID: 880-23961-8

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

| 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         | 44576        | 01/23/23 14:43       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 44509        | 01/24/23 02:34       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 44634        | 01/24/23 13:39       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 44746        | 01/25/23 15:57       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 44647        | 01/24/23 14:37       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 44609        | 01/25/23 04:11       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 44523        | 01/23/23 09:48       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 10         |                |              | 44674        | 01/24/23 21:28       | CH      | EET MID |

Client Sample ID: BH-1 (25')

Lab Sample ID: 880-23961-9

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

| 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         | 44576        | 01/23/23 14:43       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 44509        | 01/24/23 02:55       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 44634        | 01/24/23 13:39       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 44746        | 01/25/23 15:57       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 44647        | 01/24/23 14:37       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 44609        | 01/25/23 04:37       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 44523        | 01/23/23 09:48       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 10         |                |              | 44674        | 01/24/23 21:34       | CH      | EET MID |

Client Sample ID: BH-1 (30')

Lab Sample ID: 880-23961-10

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

| 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         | 44576        | 01/23/23 14:43       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 44509        | 01/24/23 03:15       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 44634        | 01/24/23 13:39       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 44746        | 01/25/23 15:57       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 44647        | 01/24/23 14:37       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 44609        | 01/25/23 05:05       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5 g            | 50 mL        | 44523        | 01/23/23 09:48       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 44674        | 01/24/23 21:40       | CH      | EET MID |

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

Client Sample ID: BH-1 (35')

Lab Sample ID: 880-23961-11

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

| 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         | 44576        | 01/23/23 14:43       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 44509        | 01/24/23 04:39       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 44634        | 01/24/23 13:39       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 44746        | 01/25/23 15:57       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 44647        | 01/24/23 14:37       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 44609        | 01/25/23 05:48       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5 g            | 50 mL        | 44523        | 01/23/23 09:48       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 44674        | 01/24/23 21:47       | CH      | EET MID |

Client Sample ID: BH-1 (40')

Lab Sample ID: 880-23961-12

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

| 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         | 44576        | 01/23/23 14:43       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 44509        | 01/24/23 05:00       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 44634        | 01/24/23 13:39       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 44746        | 01/25/23 15:57       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 44647        | 01/24/23 14:37       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 44609        | 01/25/23 06:10       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 44523        | 01/23/23 09:48       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 44674        | 01/24/23 22:05       | CH      | EET MID |

Client Sample ID: BH-2 (0-1')

Lab Sample ID: 880-23961-13

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

| 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         | 44576        | 01/23/23 14:43       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 44509        | 01/24/23 05:20       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 44634        | 01/24/23 13:39       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 44746        | 01/25/23 15:57       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 44647        | 01/24/23 14:37       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 44609        | 01/25/23 06:31       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5 g            | 50 mL        | 44523        | 01/23/23 09:48       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 10         |                |              | 44674        | 01/24/23 22:36       | CH      | EET MID |

Client Sample ID: BH-2 (2-3')

Lab Sample ID: 880-23961-14

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

| 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         | 44576        | 01/23/23 14:43       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 44509        | 01/24/23 05:41       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 44634        | 01/24/23 13:39       | AJ      | EET MID |

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

Client Sample ID: BH-2 (2-3')

Lab Sample ID: 880-23961-14

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

| 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          |                |              | 44746        | 01/25/23 15:57       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 44647        | 01/24/23 14:37       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 44609        | 01/25/23 06:54       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 44523        | 01/23/23 09:48       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 20         |                |              | 44674        | 01/24/23 22:55       | CH      | EET MID |

Client Sample ID: BH-2 (4-5')

Lab Sample ID: 880-23961-15

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

| 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         | 44576        | 01/23/23 14:43       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 44509        | 01/24/23 06:02       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 44634        | 01/24/23 13:39       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 44746        | 01/25/23 15:57       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 44647        | 01/24/23 14:37       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 44609        | 01/25/23 07:17       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 44523        | 01/23/23 09:48       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 10         |                |              | 44674        | 01/24/23 23:01       | CH      | EET MID |

Client Sample ID: BH-2 (6-7')

Lab Sample ID: 880-23961-16

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

| 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         | 44576        | 01/23/23 14:43       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 44509        | 01/24/23 06:22       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 44634        | 01/24/23 13:39       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 44746        | 01/25/23 15:57       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 44647        | 01/24/23 14:37       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 44609        | 01/25/23 07:40       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5 g            | 50 mL        | 44523        | 01/23/23 09:48       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 44674        | 01/24/23 23:07       | CH      | EET MID |

Client Sample ID: BH-2 (9-10')

Lab Sample ID: 880-23961-17

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

| 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         | 44576        | 01/23/23 14:43       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 44509        | 01/24/23 06:43       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 44634        | 01/24/23 13:39       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 44746        | 01/25/23 15:57       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 44647        | 01/24/23 14:37       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 44609        | 01/25/23 08:04       | AJ      | EET MID |

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## Lab Chronicle

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

**Client Sample ID: BH-2 (9-10')****Lab Sample ID: 880-23961-17****Date Collected: 01/17/23 00:00****Matrix: Solid****Date Received: 01/20/23 15:04**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 44523        | 01/23/23 09:48       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 44674        | 01/24/23 23:13       | CH      | EET MID |

**Client Sample ID: BH-2 (11-12')****Lab Sample ID: 880-23961-18****Date Collected: 01/17/23 00:00****Matrix: Solid****Date Received: 01/20/23 15:04**

| 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         | 44576        | 01/23/23 14:43       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 44509        | 01/24/23 07:04       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 44634        | 01/24/23 13:39       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 44746        | 01/25/23 15:57       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 44647        | 01/24/23 14:37       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 44609        | 01/25/23 08:27       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 44523        | 01/23/23 09:48       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 44674        | 01/24/23 23:19       | CH      | EET MID |

**Client Sample ID: BH-2 (14-12')****Lab Sample ID: 880-23961-19****Date Collected: 01/17/23 00:00****Matrix: Solid****Date Received: 01/20/23 15:04**

| 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         | 44576        | 01/23/23 14:43       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 44509        | 01/24/23 07:25       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 44634        | 01/24/23 13:39       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 44746        | 01/25/23 15:57       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 44647        | 01/24/23 14:37       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 44609        | 01/25/23 08:50       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 44523        | 01/23/23 09:48       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 44674        | 01/24/23 23:25       | CH      | EET MID |

**Client Sample ID: BH-2 (20')****Lab Sample ID: 880-23961-20****Date Collected: 01/17/23 00:00****Matrix: Solid****Date Received: 01/20/23 15:04**

| 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         | 44576        | 01/23/23 14:43       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 44509        | 01/24/23 07:46       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 44634        | 01/24/23 13:39       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 44746        | 01/25/23 15:57       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 44647        | 01/24/23 14:37       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 44609        | 01/25/23 09:14       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 44523        | 01/23/23 09:48       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 44674        | 01/24/23 23:32       | CH      | EET MID |

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

Client Sample ID: BH-2 (25')

Lab Sample ID: 880-23961-21

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

| 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         | 44577        | 01/23/23 14:46       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 44579        | 01/24/23 11:58       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 44634        | 01/24/23 15:50       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 44746        | 01/25/23 15:41       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 44648        | 01/24/23 14:41       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 44611        | 01/25/23 00:18       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 44524        | 01/23/23 09:50       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 44676        | 01/25/23 00:21       | CH      | EET MID |

Client Sample ID: BH-2 (30')

Lab Sample ID: 880-23961-22

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

| 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         | 44577        | 01/23/23 14:46       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 44579        | 01/24/23 12:19       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 44634        | 01/24/23 15:50       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 44746        | 01/25/23 15:41       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 44648        | 01/24/23 14:41       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 44611        | 01/25/23 01:35       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 44524        | 01/23/23 09:50       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 44676        | 01/25/23 00:39       | CH      | EET MID |

Client Sample ID: BH-2 (35')

Lab Sample ID: 880-23961-23

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

| 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         | 44577        | 01/23/23 14:46       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 44579        | 01/24/23 12:40       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 44634        | 01/24/23 15:50       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 44746        | 01/25/23 15:41       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 44648        | 01/24/23 14:41       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 44611        | 01/25/23 02:01       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 44524        | 01/23/23 09:50       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 44676        | 01/25/23 00:46       | CH      | EET MID |

Client Sample ID: BH-2 (40')

Lab Sample ID: 880-23961-24

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

| 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         | 44577        | 01/23/23 14:46       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 44579        | 01/24/23 13:00       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 44634        | 01/24/23 15:50       | AJ      | EET MID |

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

**Client Sample ID: BH-2 (40')****Lab Sample ID: 880-23961-24****Date Collected: 01/17/23 00:00****Matrix: Solid****Date Received: 01/20/23 15:04**

| 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          |                |              | 44746        | 01/25/23 15:41       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 44648        | 01/24/23 14:41       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 44611        | 01/25/23 02:27       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 44524        | 01/23/23 09:50       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 44676        | 01/25/23 00:52       | CH      | EET MID |

**Client Sample ID: BH-3 (0-1')****Lab Sample ID: 880-23961-25****Date Collected: 01/17/23 00:00****Matrix: Solid****Date Received: 01/20/23 15:04**

| 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         | 44577        | 01/23/23 14:46       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 44579        | 01/24/23 13:21       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 44634        | 01/24/23 15:50       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 44746        | 01/25/23 15:41       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 44648        | 01/24/23 14:41       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 44611        | 01/25/23 02:53       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 44524        | 01/23/23 09:50       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 50         |                |              | 44676        | 01/25/23 00:58       | CH      | EET MID |

**Client Sample ID: BH-3 (2-3')****Lab Sample ID: 880-23961-26****Date Collected: 01/17/23 00:00****Matrix: Solid****Date Received: 01/20/23 15:04**

| 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         | 44577        | 01/23/23 14:46       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 44579        | 01/24/23 13:42       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 44634        | 01/24/23 15:50       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 44746        | 01/25/23 15:41       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 44648        | 01/24/23 14:41       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 44611        | 01/25/23 03:19       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5 g            | 50 mL        | 44524        | 01/23/23 09:50       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 10         |                |              | 44676        | 01/25/23 01:17       | CH      | EET MID |

**Client Sample ID: BH-3 (4-5')****Lab Sample ID: 880-23961-27****Date Collected: 01/17/23 00:00****Matrix: Solid****Date Received: 01/20/23 15:04**

| 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         | 44577        | 01/23/23 14:46       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 44579        | 01/24/23 14:03       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 44634        | 01/24/23 15:50       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 44746        | 01/25/23 15:41       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 44648        | 01/24/23 14:41       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 44611        | 01/25/23 03:45       | AJ      | EET MID |

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

Client Sample ID: BH-3 (4-5')

Lab Sample ID: 880-23961-27

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

| 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        | 44524        | 01/23/23 09:50       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 10         |                |              | 44676        | 01/25/23 01:23       | CH      | EET MID |

Client Sample ID: BH-3 (6-7')

Lab Sample ID: 880-23961-28

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

| 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         | 44577        | 01/23/23 14:46       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 44579        | 01/24/23 14:24       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 44634        | 01/24/23 15:50       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 44746        | 01/25/23 15:41       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 44648        | 01/24/23 14:41       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 44611        | 01/25/23 04:11       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.97 g         | 50 mL        | 44524        | 01/23/23 09:50       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 44676        | 01/25/23 01:29       | CH      | EET MID |

Client Sample ID: BH-3 (9-10')

Lab Sample ID: 880-23961-29

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

| 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         | 44577        | 01/23/23 14:46       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 44579        | 01/24/23 14:45       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 44634        | 01/24/23 15:50       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 44746        | 01/25/23 15:41       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 44648        | 01/24/23 14:41       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 44611        | 01/25/23 04:37       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 44524        | 01/23/23 09:50       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 44676        | 01/25/23 01:35       | CH      | EET MID |

Client Sample ID: BH-3 (11-12')

Lab Sample ID: 880-23961-30

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

| 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         | 44577        | 01/23/23 14:46       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 44579        | 01/24/23 15:05       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 44634        | 01/24/23 15:50       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 44746        | 01/25/23 15:41       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 44648        | 01/24/23 14:41       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 44611        | 01/25/23 05:05       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 44524        | 01/23/23 09:50       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 44676        | 01/25/23 01:41       | CH      | EET MID |

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## Lab Chronicle

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

Client Sample ID: BH-4 (0-1')

Lab Sample ID: 880-23961-31

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

| 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         | 44577        | 01/23/23 14:46       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 44579        | 01/24/23 16:31       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 44634        | 01/25/23 15:18       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 44746        | 01/25/23 15:41       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 44648        | 01/24/23 14:41       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 44611        | 01/25/23 05:48       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 44524        | 01/23/23 09:50       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 10         |                |              | 44676        | 01/25/23 01:47       | CH      | EET MID |

Client Sample ID: BH-(2-3')

Lab Sample ID: 880-23961-32

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

| 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         | 44577        | 01/23/23 14:46       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 44579        | 01/24/23 16:52       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 44634        | 01/25/23 15:18       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 44746        | 01/25/23 15:41       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 44648        | 01/24/23 14:41       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 44611        | 01/25/23 06:10       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 44524        | 01/23/23 09:50       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 20         |                |              | 44676        | 01/25/23 02:06       | CH      | EET MID |

Client Sample ID: BH-4 (4-5')

Lab Sample ID: 880-23961-33

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

| 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         | 44577        | 01/23/23 14:46       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 44579        | 01/24/23 17:13       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 44634        | 01/25/23 15:18       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 44746        | 01/25/23 15:41       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 44648        | 01/24/23 14:41       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 44611        | 01/25/23 06:31       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 44524        | 01/23/23 09:50       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 10         |                |              | 44676        | 01/25/23 13:49       | CH      | EET MID |

Client Sample ID: BH-4 (6-7')

Lab Sample ID: 880-23961-34

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

| 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         | 44577        | 01/23/23 14:46       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 44579        | 01/24/23 17:34       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 44634        | 01/25/23 15:18       | AJ      | EET MID |

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## Lab Chronicle

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

Client Sample ID: BH-4 (6-7')

Lab Sample ID: 880-23961-34

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

| 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          |                |              | 44746        | 01/25/23 15:41       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 44648        | 01/24/23 14:41       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 44611        | 01/25/23 06:54       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.97 g         | 50 mL        | 44524        | 01/23/23 09:50       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 20         |                |              | 44676        | 01/25/23 02:30       | CH      | EET MID |

Client Sample ID: BH-4 (9-10')

Lab Sample ID: 880-23961-35

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

| 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         | 44577        | 01/23/23 14:46       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 44579        | 01/24/23 17:55       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 44634        | 01/25/23 15:18       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 44746        | 01/25/23 15:41       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 44648        | 01/24/23 14:41       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 44611        | 01/25/23 07:17       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5 g            | 50 mL        | 44524        | 01/23/23 09:50       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 20         |                |              | 44676        | 01/25/23 02:37       | CH      | EET MID |

Client Sample ID: BH-4 (11-12')

Lab Sample ID: 880-23961-36

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

| 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         | 44577        | 01/23/23 14:46       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 44579        | 01/24/23 18:16       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 44634        | 01/25/23 15:18       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 44746        | 01/25/23 15:41       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 44648        | 01/24/23 14:41       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 44611        | 01/25/23 07:40       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 44524        | 01/23/23 09:50       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 20         |                |              | 44676        | 01/25/23 02:43       | CH      | EET MID |

Client Sample ID: BH-4 (14-15')

Lab Sample ID: 880-23961-37

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

| 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         | 44577        | 01/23/23 14:46       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 44579        | 01/24/23 18:36       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 44634        | 01/25/23 15:18       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 44746        | 01/25/23 15:41       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 44648        | 01/24/23 14:41       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 44611        | 01/25/23 08:04       | AJ      | EET MID |

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

**Client Sample ID: BH-4 (14-15')****Lab Sample ID: 880-23961-37****Date Collected: 01/17/23 00:00****Matrix: Solid****Date Received: 01/20/23 15:04**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 44524        | 01/23/23 09:50       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 44676        | 01/25/23 02:49       | CH      | EET MID |

**Client Sample ID: BH-4 (20')****Lab Sample ID: 880-23961-38****Date Collected: 01/17/23 00:00****Matrix: Solid****Date Received: 01/20/23 15:04**

| 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         | 44577        | 01/23/23 14:46       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 44579        | 01/24/23 18:57       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 44634        | 01/25/23 15:18       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 44746        | 01/25/23 15:41       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 44648        | 01/24/23 14:41       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 44611        | 01/25/23 08:27       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 44524        | 01/23/23 09:50       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 44676        | 01/25/23 02:55       | CH      | EET MID |

**Client Sample ID: BH-4 (25')****Lab Sample ID: 880-23961-39****Date Collected: 01/17/23 00:00****Matrix: Solid****Date Received: 01/20/23 15:04**

| 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         | 44577        | 01/23/23 14:46       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 44579        | 01/24/23 19:18       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 44634        | 01/25/23 15:18       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 44746        | 01/25/23 15:41       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 44648        | 01/24/23 14:41       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 44611        | 01/25/23 08:50       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 44524        | 01/23/23 09:50       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 44676        | 01/25/23 03:01       | CH      | EET MID |

**Client Sample ID: BH-4 (30')****Lab Sample ID: 880-23961-40****Date Collected: 01/17/23 00:00****Matrix: Solid****Date Received: 01/20/23 15:04**

| 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         | 44577        | 01/23/23 14:46       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 44579        | 01/24/23 19:39       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 44634        | 01/25/23 15:18       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 44746        | 01/25/23 15:41       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 44648        | 01/24/23 14:41       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 44611        | 01/25/23 09:14       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 44524        | 01/23/23 09:50       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 44676        | 01/25/23 03:07       | CH      | EET MID |

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

Client Sample ID: BH-4 (35')

Lab Sample ID: 880-23961-41

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

| 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         | 44550        | 01/23/23 15:50       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 44613        | 01/24/23 17:15       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 44634        | 01/25/23 15:14       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 44746        | 01/25/23 15:32       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 44671        | 01/24/23 15:33       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 44608        | 01/24/23 23:54       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.97 g         | 50 mL        | 44525        | 01/23/23 09:51       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 44678        | 01/25/23 03:57       | CH      | EET MID |

Client Sample ID: BH-4 (40')

Lab Sample ID: 880-23961-42

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

| 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         | 44550        | 01/23/23 15:50       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 44613        | 01/24/23 17:36       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 44634        | 01/25/23 15:14       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 44746        | 01/25/23 15:32       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 44671        | 01/24/23 15:33       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 44608        | 01/25/23 01:13       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5 g            | 50 mL        | 44525        | 01/23/23 09:51       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 10         |                |              | 44678        | 01/25/23 04:15       | CH      | EET MID |

Client Sample ID: BH-4 (45')

Lab Sample ID: 880-23961-43

Date Collected: 01/17/23 00:00

Matrix: Solid

Date Received: 01/20/23 15:04

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.00 g         | 5 mL         | 44550        | 01/23/23 15:50       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 44613        | 01/24/23 17:56       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 44634        | 01/25/23 15:14       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 44746        | 01/25/23 15:32       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 44671        | 01/24/23 15:33       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 44608        | 01/25/23 01:40       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 44525        | 01/23/23 09:51       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 44678        | 01/25/23 04:21       | 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  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
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                           |

Method Summary

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
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

## Sample Summary

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-23961-1  
SDG: Eddy County, New Mexico

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 880-23961-1   | BH-1 (0-1')      | Solid  | 01/17/23 00:00 | 01/20/23 15:04 |
| 880-23961-2   | BH-1 (2-3')      | Solid  | 01/17/23 00:00 | 01/20/23 15:04 |
| 880-23961-3   | BH-1 (4-5')      | Solid  | 01/17/23 00:00 | 01/20/23 15:04 |
| 880-23961-4   | BH-1 (6-7')      | Solid  | 01/17/23 00:00 | 01/20/23 15:04 |
| 880-23961-5   | BH-1 (9-10')     | Solid  | 01/17/23 00:00 | 01/20/23 15:04 |
| 880-23961-6   | BH-1 (11-12')    | Solid  | 01/17/23 00:00 | 01/20/23 15:04 |
| 880-23961-7   | BH-1 (14-15')    | Solid  | 01/17/23 00:00 | 01/20/23 15:04 |
| 880-23961-8   | BH-1 (20')       | Solid  | 01/17/23 00:00 | 01/20/23 15:04 |
| 880-23961-9   | BH-1 (25')       | Solid  | 01/17/23 00:00 | 01/20/23 15:04 |
| 880-23961-10  | BH-1 (30')       | Solid  | 01/17/23 00:00 | 01/20/23 15:04 |
| 880-23961-11  | BH-1 (35')       | Solid  | 01/17/23 00:00 | 01/20/23 15:04 |
| 880-23961-12  | BH-1 (40')       | Solid  | 01/17/23 00:00 | 01/20/23 15:04 |
| 880-23961-13  | BH-2 (0-1')      | Solid  | 01/17/23 00:00 | 01/20/23 15:04 |
| 880-23961-14  | BH-2 (2-3')      | Solid  | 01/17/23 00:00 | 01/20/23 15:04 |
| 880-23961-15  | BH-2 (4-5')      | Solid  | 01/17/23 00:00 | 01/20/23 15:04 |
| 880-23961-16  | BH-2 (6-7')      | Solid  | 01/17/23 00:00 | 01/20/23 15:04 |
| 880-23961-17  | BH-2 (9-10')     | Solid  | 01/17/23 00:00 | 01/20/23 15:04 |
| 880-23961-18  | BH-2 (11-12')    | Solid  | 01/17/23 00:00 | 01/20/23 15:04 |
| 880-23961-19  | BH-2 (14-12')    | Solid  | 01/17/23 00:00 | 01/20/23 15:04 |
| 880-23961-20  | BH-2 (20')       | Solid  | 01/17/23 00:00 | 01/20/23 15:04 |
| 880-23961-21  | BH-2 (25')       | Solid  | 01/17/23 00:00 | 01/20/23 15:04 |
| 880-23961-22  | BH-2 (30')       | Solid  | 01/17/23 00:00 | 01/20/23 15:04 |
| 880-23961-23  | BH-2 (35')       | Solid  | 01/17/23 00:00 | 01/20/23 15:04 |
| 880-23961-24  | BH-2 (40')       | Solid  | 01/17/23 00:00 | 01/20/23 15:04 |
| 880-23961-25  | BH-3 (0-1')      | Solid  | 01/17/23 00:00 | 01/20/23 15:04 |
| 880-23961-26  | BH-3 (2-3')      | Solid  | 01/17/23 00:00 | 01/20/23 15:04 |
| 880-23961-27  | BH-3 (4-5')      | Solid  | 01/17/23 00:00 | 01/20/23 15:04 |
| 880-23961-28  | BH-3 (6-7')      | Solid  | 01/17/23 00:00 | 01/20/23 15:04 |
| 880-23961-29  | BH-3 (9-10')     | Solid  | 01/17/23 00:00 | 01/20/23 15:04 |
| 880-23961-30  | BH-3 (11-12')    | Solid  | 01/17/23 00:00 | 01/20/23 15:04 |
| 880-23961-31  | BH-4 (0-1')      | Solid  | 01/17/23 00:00 | 01/20/23 15:04 |
| 880-23961-32  | BH-4 (2-3')      | Solid  | 01/17/23 00:00 | 01/20/23 15:04 |
| 880-23961-33  | BH-4 (4-5')      | Solid  | 01/17/23 00:00 | 01/20/23 15:04 |
| 880-23961-34  | BH-4 (6-7')      | Solid  | 01/17/23 00:00 | 01/20/23 15:04 |
| 880-23961-35  | BH-4 (9-10')     | Solid  | 01/17/23 00:00 | 01/20/23 15:04 |
| 880-23961-36  | BH-4 (11-12')    | Solid  | 01/17/23 00:00 | 01/20/23 15:04 |
| 880-23961-37  | BH-4 (14-15')    | Solid  | 01/17/23 00:00 | 01/20/23 15:04 |
| 880-23961-38  | BH-4 (20')       | Solid  | 01/17/23 00:00 | 01/20/23 15:04 |
| 880-23961-39  | BH-4 (25')       | Solid  | 01/17/23 00:00 | 01/20/23 15:04 |
| 880-23961-40  | BH-4 (30')       | Solid  | 01/17/23 00:00 | 01/20/23 15:04 |
| 880-23961-41  | BH-4 (35')       | Solid  | 01/17/23 00:00 | 01/20/23 15:04 |
| 880-23961-42  | BH-4 (40')       | Solid  | 01/17/23 00:00 | 01/20/23 15:04 |
| 880-23961-43  | BH-4 (45')       | Solid  | 01/17/23 00:00 | 01/20/23 15:04 |

## Gen. of Custody

Work Order No: 23961

Page 1 of 5

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

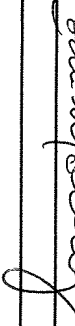
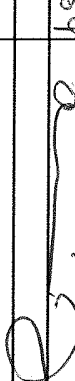
| Work Order Comments                                                                                                                                                           |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <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:                |                         | Cooper 31 1H (09.26.22)          |                                          | Turn Around |          | ANALYSIS REQUEST             |           |   |   |   |  |  |  |  |  | Preservative Codes                                                |                            |                        |  |
|------------------------------|-------------------------|----------------------------------|------------------------------------------|-------------|----------|------------------------------|-----------|---|---|---|--|--|--|--|--|-------------------------------------------------------------------|----------------------------|------------------------|--|
| Project Number:              | 1141                    | <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                     | 72 Hours                         |                                          |             |          |                              |           |   |   |   |  |  |  |  |  | HCL: HC                                                           | HNO <sub>3</sub> : HN      |                        |  |
| PO #:                        |                         |                                  |                                          |             |          |                              |           |   |   |   |  |  |  |  |  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>                   | NaOH: Na                   |                        |  |
| <b>SAMPLE RECEIPT</b>        |                         | Temp Blank:                      | Yes (No)                                 | Wet Ice:    | (Yes) No | Parameters                   |           |   |   |   |  |  |  |  |  | H <sub>3</sub> PO <sub>4</sub> : HP                               |                            |                        |  |
| Received Inact:              | (Yes) No                | Thermometer ID:                  |                                          |             |          | BTEX 8021B                   |           |   |   |   |  |  |  |  |  | NaHSO <sub>4</sub> : NABIS                                        |                            |                        |  |
| Cooler Custody Seals:        | Yes No N/A              | Correction Factor:               |                                          |             |          | TPH 8015M ( GRO + DRO + MRO) |           |   |   |   |  |  |  |  |  | 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:             |                                          |             |          | Chloride 300.0               |           |   |   |   |  |  |  |  |  | Zn Acetate+NaOH: Zn                                               |                            |                        |  |
| Total Containers:            |                         | Corrected Temperature:           |                                          |             |          |                              |           |   |   |   |  |  |  |  |  | NaOH+Ascorbic Acid: SASC                                          |                            |                        |  |
| <b>Sample Identification</b> |                         | Date                             | Time                                     | Soil        | Water    | Grab/Comp                    | # of Cont |   |   |   |  |  |  |  |  |                                                                   |                            | <b>Sample Comments</b> |  |
| BH-1 (0-1')                  |                         | 1/17/2023                        |                                          | X           |          | G                            | 1         | X | X | X |  |  |  |  |  |                                                                   |                            |                        |  |
| BH-1 (2-3')                  |                         | 1/17/2023                        |                                          | X           |          | G                            | 1         | X | X | X |  |  |  |  |  |                                                                   |                            |                        |  |
| BH-1 (4-5')                  |                         | 1/17/2023                        |                                          | X           |          | G                            | 1         | X | X | X |  |  |  |  |  |                                                                   |                            |                        |  |
| BH-1 (6-7')                  |                         | 1/17/2023                        |                                          | X           |          | G                            | 1         | X | X | X |  |  |  |  |  |                                                                   |                            |                        |  |
| BH-1 (9-10')                 |                         | 1/17/2023                        |                                          | X           |          | G                            | 1         | X | X | X |  |  |  |  |  |                                                                   |                            |                        |  |
| BH-1 (11-12')                |                         | 1/17/2023                        |                                          | X           |          | G                            | 1         | X | X | X |  |  |  |  |  |                                                                   |                            |                        |  |
| BH-1 (14-15')                |                         | 1/17/2023                        |                                          | X           |          | G                            | 1         | X | X | X |  |  |  |  |  |                                                                   |                            |                        |  |
| BH-1 (20')                   |                         | 1/17/2023                        |                                          | X           |          | G                            | 1         | X | X | X |  |  |  |  |  |                                                                   |                            |                        |  |
| BH-1 (25')                   |                         | 1/17/2023                        |                                          | X           |          | G                            | 1         | X | X | X |  |  |  |  |  |                                                                   |                            |                        |  |
| BH-1 (30')                   |                         | 1/17/2023                        |                                          | X           |          | G                            | 1         | X | X | X |  |  |  |  |  |                                                                   |                            |                        |  |



880-23961 Chain of Custody

Comments:

| Relinquished by: (Signature)                                                      | Date/Time     | Received by: (Signature)                                                            | Date/Time |
|-----------------------------------------------------------------------------------|---------------|-------------------------------------------------------------------------------------|-----------|
|  | 1/20/23 15:04 |  |           |
|                                                                                   |               |                                                                                     |           |
|                                                                                   |               |                                                                                     |           |
|                                                                                   |               |                                                                                     |           |

Chain of Custody

Work Order No: \_\_\_\_\_

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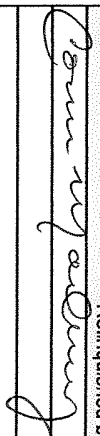
|                  |                       |                         |                                   |
|------------------|-----------------------|-------------------------|-----------------------------------|
| Project Manager: | Conner Moehring       | Bill to: (if different) | Jacquie Harris                    |
| 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:                  | jacquie.harris@conocophillips.com |

|                     |                                                                                                                                                            |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Work Order Comments |                                                                                                                                                            |
| Program: UST/PST    | <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> JRC <input type="checkbox"/> perfund <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:         | Cooper 31 1H (09.26.22) | Turn Around | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush | Pres. Code | ANALYSIS REQUEST |    |  |  |  |  |  |  |  |  | Preservative Codes                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  |
| Project Number:       | 1141                    | Due Date:   | 72 Hours                                                                  |            |                  |    |  |  |  |  |  |  |  |  | None: NO DI Water: H <sub>2</sub> O<br>Cool: Cool MeOH: Me<br>HCL: HC HNO <sub>3</sub> : HN<br>H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na<br>H <sub>3</sub> PO <sub>4</sub> : HP<br>NaHSO <sub>4</sub> : NABIS<br>Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub><br>Zn Acetate+NaOH: Zn<br>NaOH+Ascorbic Acid: SPC |  |  |  |  |  |  |  |  |  |
| Project Location:     | Eddy County, New Mexico |             |                                                                           |            |                  |    |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |
| Sampler's Name:       | CRM                     |             |                                                                           |            |                  |    |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |
| PO #:                 |                         |             |                                                                           |            |                  |    |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |
| SAMPLE RECEIPT        | Temp Blank:             | Yes         | No                                                                        | Wet Ice:   | Yes              | No |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |
| Received Intact:      | Yes                     | No          | Thermometer ID:                                                           |            |                  |    |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |
| Cooler Custody Seals: | Yes                     | No          | Correction Factor:                                                        |            |                  |    |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |
| Sample Custody Seals: | Yes                     | No          | Temperature Reading:                                                      |            |                  |    |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |
| Total Containers:     | Corrected Temperature:  |             |                                                                           |            |                  |    |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |

| Sample Identification | Date | Time | Soil | Water | Grab/<br>Comp | # of<br>Cont | TPH |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 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| Relinquished by: (Signature)                                                     |  | Date/Time     | Received by: (Signature) | Date/Time |
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Chain of Custody

Work Order No: \_\_\_\_\_

Page 3 of 5

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|------------------|-----------------------|-------------------------|-----------------------------------|
| Project Manager: | Conner Moehring       | Bill to: (if different) | Jacquie 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:                  | jacquie.harris@conocophillips.com |

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|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Work Order Comments |                                                                                                                                                                               |
| Program: UST/PT     | <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> Injunctive                                             |
| 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:                                                                                                                |

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|-----------------------|-------------------------|-------------|---------------------------------------------------------------------------|------------------------|------------------|-----------|---|---|---|--|--|--|--|--|--------------------|-------------------------------------------------------------------|----------------------------|
| Project Name:         | Cooper 31 1H (09.26.22) | Turn Around | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush | Pres. Code             | ANALYSIS REQUEST |           |   |   |   |  |  |  |  |  | Preservative Codes |                                                                   |                            |
| Project Number:       | 1141                    | 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        | 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          | N/A                                                                       | Correction Factor:     |                  |           |   |   |   |  |  |  |  |  |                    | 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:   |                  |           |   |   |   |  |  |  |  |  |                    | Zn Acetate+NaOH: Zn                                               |                            |
| Total Containers:     |                         |             |                                                                           | Corrected Temperature: |                  |           |   |   |   |  |  |  |  |  |                    | NaOH+Ascorbic Acid: SAsPC                                         |                            |
| Sample Identification | Date                    | Time        | Soil                                                                      | Water                  | Grab/Comp        | # of Cont |   |   |   |  |  |  |  |  |                    |                                                                   | Sample Comments            |
| BH-2 (25)             | 1/17/2023               |             | X                                                                         |                        | G                | 1         | X | X | X |  |  |  |  |  |                    |                                                                   |                            |
| BH-2 (30)             | 1/17/2023               |             | X                                                                         |                        | G                | 1         | X | X | X |  |  |  |  |  |                    |                                                                   |                            |
| BH-2 (35)             | 1/17/2023               |             | X                                                                         |                        | G                | 1         | X | X | X |  |  |  |  |  |                    |                                                                   |                            |
| BH-2 (40)             | 1/17/2023               |             | X                                                                         |                        | G                | 1         | X | X | X |  |  |  |  |  |                    |                                                                   |                            |
| BH-3 (0-1)            | 1/17/2023               |             | X                                                                         |                        | G                | 1         | X | X | X |  |  |  |  |  |                    |                                                                   |                            |
| BH-3 (2-3)            | 1/17/2023               |             | X                                                                         |                        | G                | 1         | X | X | X |  |  |  |  |  |                    |                                                                   |                            |
| BH-3 (4-5)            | 1/17/2023               |             | X                                                                         |                        | G                | 1         | X | X | X |  |  |  |  |  |                    |                                                                   |                            |
| BH-3 (6-7)            | 1/17/2023               |             | X                                                                         |                        | G                | 1         | X | X | X |  |  |  |  |  |                    |                                                                   |                            |
| BH-3 (9-10)           | 1/17/2023               |             | X                                                                         |                        | G                | 1         | X | X | X |  |  |  |  |  |                    |                                                                   |                            |
| BH-3 (11-12)          | 1/17/2023               |             | X                                                                         |                        | G                | 1         | X | X | X |  |  |  |  |  |                    |                                                                   |                            |

Comments:

|                              |               |                          |           |
|------------------------------|---------------|--------------------------|-----------|
| Relinquished by: (Signature) | Date/Time     | Received by: (Signature) | Date/Time |
| <i>Ben my...</i>             | 1/20/23 15:04 |                          |           |

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Chain of Custody

Work Order No: \_\_\_\_\_

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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@comocophilips.com |

|                     |                                                                                                                                                                               |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Work Order Comments |                                                                                                                                                                               |
| Program: UST/PT     | <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> Iperfund                                               |
| 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:         |                         | Cooper 31 1H (09.26.22)          |                                          | Turn Around     |                        | ANALYSIS REQUEST |           |                              |   |   |   |   |   |   |   |   |                                                 | Preservative Codes                                                |  |
| Project Number:       | 1141                    | <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:                        |                                          |                 |                        |                  |           |                              |   |   |   |   |   |   |   |   | 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                                       | 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                                       | N/A             | Correction Factor:     |                  |           |                              |   |   |   |   |   |   |   |   |                                                 | 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:   |                  |           |                              |   |   |   |   |   |   |   |   |                                                 | Zn Acetate+NaOH: Zn                                               |  |
|                       | Total Containers:       |                                  |                                          |                 | Corrected Temperature: |                  |           |                              |   |   |   |   |   |   |   |   |                                                 | NaOH+Ascorbic Acid: SAPC                                          |  |
| Sample Identification |                         | Date                             | Time                                     | Soil            | Water                  | Grab/Comp        | # of Cont | Parameters                   |   |   |   |   |   |   |   |   |                                                 | Sample Comments                                                   |  |
| BH-4 (0-1)            |                         | 1/17/2023                        |                                          | X               |                        | G                | 1         | BTEX 8021B                   |   |   |   |   |   |   |   |   |                                                 |                                                                   |  |
| BH-4 (2-3)            |                         | 1/17/2023                        |                                          | X               |                        | G                | 1         | TPH 8015M ( GRO + DRO + MRO) |   |   |   |   |   |   |   |   |                                                 |                                                                   |  |
| BH-4 (4-5)            |                         | 1/17/2023                        |                                          | X               |                        | G                | 1         | Chloride 300.0               |   |   |   |   |   |   |   |   |                                                 |                                                                   |  |
| BH-4 (6-7)            |                         | 1/17/2023                        |                                          | X               |                        | G                | 1         | X                            | X | X | X | X | X | X | X | X |                                                 |                                                                   |  |
| BH-4 (9-10)           |                         | 1/17/2023                        |                                          | X               |                        | G                | 1         | X                            | X | X | X | X | X | X | X | X |                                                 |                                                                   |  |
| BH-4 (11-12)          |                         | 1/17/2023                        |                                          | X               |                        | G                | 1         | X                            | X | X | X | X | X | X | X | X |                                                 |                                                                   |  |
| BH-4 (14-15)          |                         | 1/17/2023                        |                                          | X               |                        | G                | 1         | X                            | X | X | X | X | X | X | X | X |                                                 |                                                                   |  |
| BH-4 (20)             |                         | 1/17/2023                        |                                          | X               |                        | G                | 2         | X                            | X | X | X | X | X | X | X | X |                                                 |                                                                   |  |
| BH-4 (25)             |                         | 1/17/2023                        |                                          | X               |                        | G                | 3         | X                            | X | X | X | X | X | X | X | X |                                                 |                                                                   |  |
| BH-4 (30)             |                         | 1/17/2023                        |                                          | X               |                        | G                | 4         | X                            | X | X | X | X | X | X | X | X |                                                 |                                                                   |  |

Comments:

|                              |               |                          |           |
|------------------------------|---------------|--------------------------|-----------|
| Relinquished by: (Signature) | Date/Time     | Received by: (Signature) | Date/Time |
| <i>Don my coloring</i>       | 1/20/23 15:24 |                          |           |

**Work Order No:** \_\_\_\_\_

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[illegible]

## Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-23961-1

SDG Number: Eddy County, New Mexico

Login Number: 23961

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.                                                | False  | Refer to Job Narrative for details. |
| 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

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Conner Moehring  
Carmona Resources  
310 W Wall St  
Ste 500  
Midland, Texas 79701

Generated 12/12/2023 1:25:06 PM

## JOB DESCRIPTION

Cooper 31 1H (09.26.22)  
Eddy County, New Mexico

## JOB NUMBER

880-36712-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701

# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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  
12/12/2023 1:25:06 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: Cooper 31 1H (09.26.22)

Laboratory Job ID: 880-36712-1  
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-36712-1  
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                                    |
|-----------|----------------------------------------------------------|
| 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: Cooper 31 1H (09.26.22)

Job ID: 880-36712-1  
SDG: Eddy County, New Mexico

**Job ID: 880-36712-1**

**Laboratory: Eurofins Midland**

**Narrative****Job Narrative  
880-36712-1**

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method. Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

**Receipt**

The samples were received on 12/8/2023 2:36 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

**Receipt Exceptions**

The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (0-1') (880-36712-1), S-1 (1.5') (880-36712-2), S-1 (2') (880-36712-3), S-1 (3') (880-36712-4), S-1 (4') (880-36712-5) and S-1 (5') (880-36712-6).

**GC VOA**

Method 8021B: Surrogate recovery for the following sample was outside control limits: (890-5758-A-21-E MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (MB 880-68791/5-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following sample was outside control limits: S-1 (5') (880-36712-6). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike (MS) recoveries for preparation batch 880-68791 and analytical batch 880-68757 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was 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: The surrogate recovery for the blank associated with preparation batch 880-68711 and analytical batch 880-68737 was outside the upper control limits.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: S-1 (0-1') (880-36712-1), S-1 (1.5') (880-36712-2), S-1 (2') (880-36712-3), S-1 (3') (880-36712-4), (880-36709-A-1-B), (880-36709-A-1-C MS) and (880-36709-A-1-D MSD). 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: Cooper 31 1H (09.26.22)

Job ID: 880-36712-1  
SDG: Eddy County, New Mexico

Client Sample ID: S-1 (0-1')

Lab Sample ID: 880-36712-1

Date Collected: 12/06/23 00:00

Matrix: Solid

Date Received: 12/08/23 14:36

## 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 |   | 12/11/23 10:05 | 12/11/23 17:43 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 17:43 | 1       |
| Ethylbenzene                | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 17:43 | 1       |
| m-Xylene & p-Xylene         | <0.00402  | U         | 0.00402  |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 17:43 | 1       |
| o-Xylene                    | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 17:43 | 1       |
| Xylenes, Total              | <0.00402  | U         | 0.00402  |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 17:43 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 81        |           | 70 - 130 |     |       |   | 12/11/23 10:05 | 12/11/23 17:43 | 1       |
| 1,4-Difluorobenzene (Surr)  | 72        |           | 70 - 130 |     |       |   | 12/11/23 10:05 | 12/11/23 17:43 | 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 |   |          | 12/11/23 17:43 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.1  | U         | 50.1 |     | mg/Kg |   |          | 12/09/23 13:58 | 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 | <50.1     | U         | 50.1     |     | mg/Kg |   | 12/08/23 16:38 | 12/09/23 13:58 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.1     | U         | 50.1     |     | mg/Kg |   | 12/08/23 16:38 | 12/09/23 13:58 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.1     | U         | 50.1     |     | mg/Kg |   | 12/08/23 16:38 | 12/09/23 13:58 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 135       | S1+       | 70 - 130 |     |       |   | 12/08/23 16:38 | 12/09/23 13:58 | 1       |
| o-Terphenyl                          | 127       |           | 70 - 130 |     |       |   | 12/08/23 16:38 | 12/09/23 13:58 | 1       |

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

| Analyte  | Result | Qualifier | RL  | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|-----|-----|-------|---|----------|----------------|---------|
| Chloride | 12900  |           | 248 |     | mg/Kg |   |          | 12/09/23 05:38 | 50      |

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-36712-2

Date Collected: 12/06/23 00:00

Matrix: Solid

Date Received: 12/08/23 14:36

## 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 |   | 12/11/23 10:05 | 12/11/23 18:03 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 18:03 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 18:03 | 1       |
| m-Xylene & p-Xylene         | <0.00401  | U         | 0.00401  |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 18:03 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 18:03 | 1       |
| Xylenes, Total              | <0.00401  | U         | 0.00401  |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 18:03 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 87        |           | 70 - 130 |     |       |   | 12/11/23 10:05 | 12/11/23 18:03 | 1       |
| 1,4-Difluorobenzene (Surr)  | 75        |           | 70 - 130 |     |       |   | 12/11/23 10:05 | 12/11/23 18:03 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-36712-1  
SDG: Eddy County, New Mexico

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-36712-2

Date Collected: 12/06/23 00:00

Matrix: Solid

Date Received: 12/08/23 14:36

## 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 |   |          | 12/11/23 18:03 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.5  | U         | 50.5 |     | mg/Kg |   |          | 12/09/23 14:20 | 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 | <50.5     | U         | 50.5     |     | mg/Kg |   | 12/08/23 16:38 | 12/09/23 14:20 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.5     | U         | 50.5     |     | mg/Kg |   | 12/08/23 16:38 | 12/09/23 14:20 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.5     | U         | 50.5     |     | mg/Kg |   | 12/08/23 16:38 | 12/09/23 14:20 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 132       | S1+       | 70 - 130 |     |       |   | 12/08/23 16:38 | 12/09/23 14:20 | 1       |
| o-Terphenyl                          | 126       |           | 70 - 130 |     |       |   | 12/08/23 16:38 | 12/09/23 14:20 | 1       |

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

| Analyte  | Result | Qualifier | RL  | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|-----|-----|-------|---|----------|----------------|---------|
| Chloride | 10400  |           | 249 |     | mg/Kg |   |          | 12/09/23 05:44 | 50      |

Client Sample ID: S-1 (2')

Lab Sample ID: 880-36712-3

Date Collected: 12/06/23 00:00

Matrix: Solid

Date Received: 12/08/23 14:36

## 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 |   | 12/11/23 10:05 | 12/11/23 18:24 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 18:24 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 18:24 | 1       |
| m-Xylene & p-Xylene         | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 18:24 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 18:24 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 18:24 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 87        |           | 70 - 130 |     |       |   | 12/11/23 10:05 | 12/11/23 18:24 | 1       |
| 1,4-Difluorobenzene (Surr)  | 81        |           | 70 - 130 |     |       |   | 12/11/23 10:05 | 12/11/23 18:24 | 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 |   |          | 12/11/23 18:24 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.1  | U         | 50.1 |     | mg/Kg |   |          | 12/09/23 14:41 | 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 | <50.1  | U         | 50.1 |     | mg/Kg |   | 12/08/23 16:38 | 12/09/23 14:41 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.1  | U         | 50.1 |     | mg/Kg |   | 12/08/23 16:38 | 12/09/23 14:41 | 1       |

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Client Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-36712-1  
SDG: Eddy County, New Mexico

Client Sample ID: S-1 (2')  
Date Collected: 12/06/23 00:00  
Date Received: 12/08/23 14:36

Lab Sample ID: 880-36712-3  
Matrix: Solid

| 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)                                     | <50.1     | U         | 50.1     |     | mg/Kg |   | 12/08/23 16:38 | 12/09/23 14:41 | 1       |  |
| Surrogate                                                             | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |  |
| 1-Chlorooctane                                                        | 150       | S1+       | 70 - 130 |     |       |   | 12/08/23 16:38 | 12/09/23 14:41 | 1       |  |
| o-Terphenyl                                                           | 144       | S1+       | 70 - 130 |     |       |   | 12/08/23 16:38 | 12/09/23 14:41 | 1       |  |

| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble |        |           |     |     |       |   |          |                |         |  |
|----------------------------------------------------------|--------|-----------|-----|-----|-------|---|----------|----------------|---------|--|
| Analyte                                                  | Result | Qualifier | RL  | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Chloride                                                 | 11300  |           | 249 |     | mg/Kg |   |          | 12/09/23 05:51 | 50      |  |

Client Sample ID: S-1 (3')  
Date Collected: 12/06/23 00:00  
Date Received: 12/08/23 14:36

Lab Sample ID: 880-36712-4  
Matrix: Solid

| 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 |   | 12/11/23 10:05 | 12/11/23 18:44 | 1       |  |
| Toluene                                               | <0.00198  | U         | 0.00198  |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 18:44 | 1       |  |
| Ethylbenzene                                          | <0.00198  | U         | 0.00198  |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 18:44 | 1       |  |
| m-Xylene & p-Xylene                                   | <0.00396  | U         | 0.00396  |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 18:44 | 1       |  |
| o-Xylene                                              | <0.00198  | U         | 0.00198  |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 18:44 | 1       |  |
| Xylenes, Total                                        | <0.00396  | U         | 0.00396  |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 18:44 | 1       |  |
| Surrogate                                             | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |  |
| 4-Bromofluorobenzene (Surr)                           | 88        |           | 70 - 130 |     |       |   | 12/11/23 10:05 | 12/11/23 18:44 | 1       |  |
| 1,4-Difluorobenzene (Surr)                            | 85        |           | 70 - 130 |     |       |   | 12/11/23 10:05 | 12/11/23 18:44 | 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 |   |          | 12/11/23 18:44 | 1       |  |

| Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) |        |           |      |     |       |   |          |                |         |  |
|----------------------------------------------------------|--------|-----------|------|-----|-------|---|----------|----------------|---------|--|
| Analyte                                                  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Total TPH                                                | <50.2  | U         | 50.2 |     | mg/Kg |   |          | 12/09/23 15:25 | 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                      | <50.2     | U         | 50.2     |     | mg/Kg |   | 12/08/23 16:38 | 12/09/23 15:25 | 1       |  |
| Diesel Range Organics (Over C10-C28)                      | <50.2     | U         | 50.2     |     | mg/Kg |   | 12/08/23 16:38 | 12/09/23 15:25 | 1       |  |
| Oil Range Organics (Over C28-C36)                         | <50.2     | U         | 50.2     |     | mg/Kg |   | 12/08/23 16:38 | 12/09/23 15:25 | 1       |  |
| Surrogate                                                 | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |  |
| 1-Chlorooctane                                            | 131       | S1+       | 70 - 130 |     |       |   | 12/08/23 16:38 | 12/09/23 15:25 | 1       |  |
| o-Terphenyl                                               | 125       |           | 70 - 130 |     |       |   | 12/08/23 16:38 | 12/09/23 15:25 | 1       |  |

| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble |        |           |     |     |       |   |          |                |         |  |
|----------------------------------------------------------|--------|-----------|-----|-----|-------|---|----------|----------------|---------|--|
| Analyte                                                  | Result | Qualifier | RL  | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Chloride                                                 | 12600  |           | 101 |     | mg/Kg |   |          | 12/09/23 05:57 | 20      |  |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-36712-1  
SDG: Eddy County, New Mexico

Client Sample ID: S-1 (4')

Lab Sample ID: 880-36712-5

Date Collected: 12/06/23 00:00

Matrix: Solid

Date Received: 12/08/23 14:36

## 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 |   | 12/11/23 10:05 | 12/11/23 19:05 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 19:05 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 19:05 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 19:05 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 19:05 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 19:05 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 74        |           | 70 - 130 | 12/11/23 10:05 | 12/11/23 19:05 | 1       |
| 1,4-Difluorobenzene (Surr)  | 83        |           | 70 - 130 | 12/11/23 10:05 | 12/11/23 19:05 | 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 |   |          | 12/11/23 19:05 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.4  | U         | 50.4 |     | mg/Kg |   |          | 12/09/23 15:47 | 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 | <50.4  | U         | 50.4 |     | mg/Kg |   | 12/08/23 16:38 | 12/09/23 15:47 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.4  | U         | 50.4 |     | mg/Kg |   | 12/08/23 16:38 | 12/09/23 15:47 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.4  | U         | 50.4 |     | mg/Kg |   | 12/08/23 16:38 | 12/09/23 15:47 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 121       |           | 70 - 130 | 12/08/23 16:38 | 12/09/23 15:47 | 1       |
| o-Terphenyl    | 109       |           | 70 - 130 | 12/08/23 16:38 | 12/09/23 15:47 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 930    |           | 5.02 |     | mg/Kg |   |          | 12/09/23 06:04 | 1       |

Client Sample ID: S-1 (5')

Lab Sample ID: 880-36712-6

Date Collected: 12/06/23 00:00

Matrix: Solid

Date Received: 12/08/23 14:36

## 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 |   | 12/11/23 10:05 | 12/11/23 19:25 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 19:25 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 19:25 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 19:25 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 19:25 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 19:25 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 68        | S1-       | 70 - 130 | 12/11/23 10:05 | 12/11/23 19:25 | 1       |
| 1,4-Difluorobenzene (Surr)  | 95        |           | 70 - 130 | 12/11/23 10:05 | 12/11/23 19:25 | 1       |

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-36712-1  
SDG: Eddy County, New Mexico

Client Sample ID: S-1 (5')

Lab Sample ID: 880-36712-6

Date Collected: 12/06/23 00:00

Matrix: Solid

Date Received: 12/08/23 14:36

## 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 |   |          | 12/11/23 19:25 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.5  | U         | 50.5 |     | mg/Kg |   |          | 12/09/23 16:09 | 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 | <50.5  | U         | 50.5 |     | mg/Kg |   | 12/08/23 16:38 | 12/09/23 16:09 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.5  | U         | 50.5 |     | mg/Kg |   | 12/08/23 16:38 | 12/09/23 16:09 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.5  | U         | 50.5 |     | mg/Kg |   | 12/08/23 16:38 | 12/09/23 16:09 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 123       |           | 70 - 130 | 12/08/23 16:38 | 12/09/23 16:09 | 1       |
| o-Terphenyl    | 110       |           | 70 - 130 | 12/08/23 16:38 | 12/09/23 16:09 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 5.93   |           | 5.03 |     | mg/Kg |   |          | 12/09/23 06:10 | 1       |

## Surrogate Summary

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-36712-1  
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) |
| 880-36712-1                       | S-1 (0-1')             | 81                                             | 72                |
| 880-36712-2                       | S-1 (1.5')             | 87                                             | 75                |
| 880-36712-3                       | S-1 (2')               | 87                                             | 81                |
| 880-36712-4                       | S-1 (3')               | 88                                             | 85                |
| 880-36712-5                       | S-1 (4')               | 74                                             | 83                |
| 880-36712-6                       | S-1 (5')               | 68 S1-                                         | 95                |
| 890-5758-A-21-E MS                | Matrix Spike           | 66 S1-                                         | 110               |
| 890-5758-A-21-F MSD               | Matrix Spike Duplicate | 102                                            | 111               |
| LCS 880-68791/1-A                 | Lab Control Sample     | 92                                             | 105               |
| LCSD 880-68791/2-A                | Lab Control Sample Dup | 96                                             | 109               |
| MB 880-68791/5-A                  | Method Blank           | 65 S1-                                         | 95                |
| <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) |
| 880-36709-A-1-C MS      | Matrix Spike           | 145 S1+                                        | 107               |
| 880-36709-A-1-D MSD     | Matrix Spike Duplicate | 143 S1+                                        | 110               |
| 880-36712-1             | S-1 (0-1')             | 135 S1+                                        | 127               |
| 880-36712-2             | S-1 (1.5')             | 132 S1+                                        | 126               |
| 880-36712-3             | S-1 (2')               | 150 S1+                                        | 144 S1+           |
| 880-36712-4             | S-1 (3')               | 131 S1+                                        | 125               |
| 880-36712-5             | S-1 (4')               | 121                                            | 109               |
| 880-36712-6             | S-1 (5')               | 123                                            | 110               |
| LCS 880-68711/2-A       | Lab Control Sample     | 113                                            | 128               |
| LCSD 880-68711/3-A      | Lab Control Sample Dup | 114                                            | 113               |
| MB 880-68711/1-A        | Method Blank           | 227 S1+                                        | 240 S1+           |
| <b>Surrogate Legend</b> |                        |                                                |                   |
| 1CO = 1-Chlorooctane    |                        |                                                |                   |
| OTPH = o-Terphenyl      |                        |                                                |                   |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-36712-1  
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-68791/5-A

Matrix: Solid

Analysis Batch: 68757

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 68791

| Analyte             | MB<br>Result | MB<br>Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------------|-----------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 11:31 | 1       |
| Toluene             | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 11:31 | 1       |
| Ethylbenzene        | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 11:31 | 1       |
| m-Xylene & p-Xylene | <0.00400     | U               | 0.00400 |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 11:31 | 1       |
| o-Xylene            | <0.00200     | U               | 0.00200 |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 11:31 | 1       |
| Xylenes, Total      | <0.00400     | U               | 0.00400 |     | mg/Kg |   | 12/11/23 10:05 | 12/11/23 11:31 | 1       |

| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 65              | S1-             | 70 - 130 | 12/11/23 10:05 | 12/11/23 11:31 | 1       |
| 1,4-Difluorobenzene (Surr)  | 95              |                 | 70 - 130 | 12/11/23 10:05 | 12/11/23 11:31 | 1       |

Lab Sample ID: LCS 880-68791/1-A

Matrix: Solid

Analysis Batch: 68757

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 68791

| Analyte             | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------------------|----------------|---------------|------------------|-------|---|------|----------------|
| Benzene             | 0.100          | 0.08454       |                  | mg/Kg |   | 85   | 70 - 130       |
| Toluene             | 0.100          | 0.07955       |                  | mg/Kg |   | 80   | 70 - 130       |
| Ethylbenzene        | 0.100          | 0.08426       |                  | mg/Kg |   | 84   | 70 - 130       |
| m-Xylene & p-Xylene | 0.200          | 0.1722        |                  | mg/Kg |   | 86   | 70 - 130       |
| o-Xylene            | 0.100          | 0.08085       |                  | mg/Kg |   | 81   | 70 - 130       |

| Surrogate                   | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 92               |                  | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 105              |                  | 70 - 130 |

Lab Sample ID: LCSD 880-68791/2-A

Matrix: Solid

Analysis Batch: 68757

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 68791

| Analyte             | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|---------------------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Benzene             | 0.100          | 0.08183        |                   | mg/Kg |   | 82   | 70 - 130       | 3   | 35           |
| Toluene             | 0.100          | 0.07551        |                   | mg/Kg |   | 76   | 70 - 130       | 5   | 35           |
| Ethylbenzene        | 0.100          | 0.08096        |                   | mg/Kg |   | 81   | 70 - 130       | 4   | 35           |
| m-Xylene & p-Xylene | 0.200          | 0.1664         |                   | mg/Kg |   | 83   | 70 - 130       | 3   | 35           |
| o-Xylene            | 0.100          | 0.07847        |                   | mg/Kg |   | 78   | 70 - 130       | 3   | 35           |

| Surrogate                   | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits   |
|-----------------------------|-------------------|-------------------|----------|
| 4-Bromofluorobenzene (Surr) | 96                |                   | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 109               |                   | 70 - 130 |

Lab Sample ID: 890-5758-A-21-E MS

Matrix: Solid

Analysis Batch: 68757

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 68791

| Analyte | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Benzene | <0.00199         | U                   | 0.0998         | 0.08297      |                 | mg/Kg |   | 83   | 70 - 130       |
| Toluene | <0.00199         | U                   | 0.0998         | 0.07320      |                 | mg/Kg |   | 73   | 70 - 130       |

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QC Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-36712-1  
SDG: Eddy County, New Mexico

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

Lab Sample ID: 890-5758-A-21-E MS  
Matrix: Solid  
Analysis Batch: 68757

Client Sample ID: Matrix Spike  
Prep Type: Total/NA  
Prep Batch: 68791

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|-----------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene                | <0.00199      | U F1             | 0.0998      | 0.06819   | F1           | mg/Kg |   | 68   | 70 - 130    |
| m-Xylene & p-Xylene         | <0.00398      | U F1             | 0.200       | 0.1297    | F1           | mg/Kg |   | 65   | 70 - 130    |
| o-Xylene                    | <0.00199      | U F1             | 0.0998      | 0.05938   | F1           | mg/Kg |   | 60   | 70 - 130    |
|                             |               |                  |             |           |              |       |   |      |             |
| Surrogate                   | MS %Recovery  | MS Qualifier     | Limits      |           |              |       |   |      |             |
| 4-Bromofluorobenzene (Surr) | 66            | S1-              | 70 - 130    |           |              |       |   |      |             |
| 1,4-Difluorobenzene (Surr)  | 110           |                  | 70 - 130    |           |              |       |   |      |             |

Lab Sample ID: 890-5758-A-21-F MSD  
Matrix: Solid  
Analysis Batch: 68757

Client Sample ID: Matrix Spike Duplicate  
Prep Type: Total/NA  
Prep Batch: 68791

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene                     | <0.00199      | U                | 0.0990      | 0.07061    |               | mg/Kg |   | 71   | 70 - 130    | 16  | 35        |
| Toluene                     | <0.00199      | U                | 0.0990      | 0.06891    |               | mg/Kg |   | 70   | 70 - 130    | 6   | 35        |
| Ethylbenzene                | <0.00199      | U F1             | 0.0990      | 0.07962    |               | mg/Kg |   | 80   | 70 - 130    | 15  | 35        |
| m-Xylene & p-Xylene         | <0.00398      | U F1             | 0.198       | 0.1605     |               | mg/Kg |   | 81   | 70 - 130    | 21  | 35        |
| o-Xylene                    | <0.00199      | U F1             | 0.0990      | 0.07563    |               | mg/Kg |   | 76   | 70 - 130    | 24  | 35        |
|                             |               |                  |             |            |               |       |   |      |             |     |           |
| Surrogate                   | MSD %Recovery | MSD Qualifier    | Limits      |            |               |       |   |      |             |     |           |
| 4-Bromofluorobenzene (Surr) | 102           |                  | 70 - 130    |            |               |       |   |      |             |     |           |
| 1,4-Difluorobenzene (Surr)  | 111           |                  | 70 - 130    |            |               |       |   |      |             |     |           |

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

Lab Sample ID: MB 880-68711/1-A  
Matrix: Solid  
Analysis Batch: 68737

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 68711

| 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 |   | 12/08/23 16:38 | 12/09/23 08:09 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0        | U            | 50.0     |     | mg/Kg |   | 12/08/23 16:38 | 12/09/23 08:09 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0        | U            | 50.0     |     | mg/Kg |   | 12/08/23 16:38 | 12/09/23 08:09 | 1       |
|                                      |              |              |          |     |       |   |                |                |         |
| Surrogate                            | MB %Recovery | MB Qualifier | Limits   |     |       |   |                |                |         |
| 1-Chlorooctane                       | 227          | S1+          | 70 - 130 |     |       |   |                |                |         |
| o-Terphenyl                          | 240          | S1+          | 70 - 130 |     |       |   |                |                |         |

Lab Sample ID: LCS 880-68711/2-A  
Matrix: Solid  
Analysis Batch: 68737

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 68711

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1133       |               | mg/Kg |   | 113  | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1000        | 1131       |               | mg/Kg |   | 113  | 70 - 130    |

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-36712-1  
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-68711/2-A  
Matrix: Solid  
Analysis Batch: 68737

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 68711

|                | LCS       | LCS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 113       |           | 70 - 130 |
| o-Terphenyl    | 128       |           | 70 - 130 |

Lab Sample ID: LCSD 880-68711/3-A  
Matrix: Solid  
Analysis Batch: 68737

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 68711

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1109        |                | mg/Kg |   | 111  | 70 - 130    | 2   | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 1115        |                | mg/Kg |   | 112  | 70 - 130    | 1   | 20        |

|                | LCSD      | LCSD      |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 114       |           | 70 - 130 |
| o-Terphenyl    | 113       |           | 70 - 130 |

Lab Sample ID: 880-36709-A-1-C MS  
Matrix: Solid  
Analysis Batch: 68737

Client Sample ID: Matrix Spike  
Prep Type: Total/NA  
Prep Batch: 68711

| 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 | <49.5         | U                | 1010        | 900.9     |              | mg/Kg |   | 87   | 70 - 130    |     |           |
| Diesel Range Organics (Over C10-C28) | <49.5         | U                | 1010        | 1304      |              | mg/Kg |   | 127  | 70 - 130    |     |           |

|                | MS        | MS        |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 145       | S1+       | 70 - 130 |
| o-Terphenyl    | 107       |           | 70 - 130 |

Lab Sample ID: 880-36709-A-1-D MSD  
Matrix: Solid  
Analysis Batch: 68737

Client Sample ID: Matrix Spike Duplicate  
Prep Type: Total/NA  
Prep Batch: 68711

| 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 | <49.5         | U                | 1010        | 942.7      |               | mg/Kg |   | 91   | 70 - 130    | 5   | 20        |
| Diesel Range Organics (Over C10-C28) | <49.5         | U                | 1010        | 1337       |               | mg/Kg |   | 130  | 70 - 130    | 2   | 20        |

|                | MSD       | MSD       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 143       | S1+       | 70 - 130 |
| o-Terphenyl    | 110       |           | 70 - 130 |

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QC Sample Results

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-36712-1  
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

|                                                                           |           |              |      |     |       |   |          |                |         |                                                      |  |
|---------------------------------------------------------------------------|-----------|--------------|------|-----|-------|---|----------|----------------|---------|------------------------------------------------------|--|
| Lab Sample ID: MB 880-68697/1-A<br>Matrix: Solid<br>Analysis Batch: 68724 |           |              |      |     |       |   |          |                |         | Client Sample ID: Method Blank<br>Prep Type: Soluble |  |
| Analyte                                                                   | MB Result | MB Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |                                                      |  |
| Chloride                                                                  | <5.00     | U            | 5.00 |     | mg/Kg |   |          | 12/09/23 02:55 | 1       |                                                      |  |

|                                                                            |  |  |             |            |               |       |   |      |             |                                                            |  |
|----------------------------------------------------------------------------|--|--|-------------|------------|---------------|-------|---|------|-------------|------------------------------------------------------------|--|
| Lab Sample ID: LCS 880-68697/2-A<br>Matrix: Solid<br>Analysis Batch: 68724 |  |  |             |            |               |       |   |      |             | Client Sample ID: Lab Control Sample<br>Prep Type: Soluble |  |
| Analyte                                                                    |  |  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |                                                            |  |
| Chloride                                                                   |  |  | 250         | 258.2      |               | mg/Kg |   | 103  | 90 - 110    |                                                            |  |

|                                                                             |  |  |             |             |                |       |   |      |             |                                                                |           |
|-----------------------------------------------------------------------------|--|--|-------------|-------------|----------------|-------|---|------|-------------|----------------------------------------------------------------|-----------|
| Lab Sample ID: LCSD 880-68697/3-A<br>Matrix: Solid<br>Analysis Batch: 68724 |  |  |             |             |                |       |   |      |             | Client Sample ID: Lab Control Sample Dup<br>Prep Type: Soluble |           |
| Analyte                                                                     |  |  | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD                                                            | RPD Limit |
| Chloride                                                                    |  |  | 250         | 256.9       |                | mg/Kg |   | 103  | 90 - 110    | 0                                                              | 20        |

|                                                                              |               |                  |             |           |              |       |   |      |             |                                                      |  |
|------------------------------------------------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|------------------------------------------------------|--|
| Lab Sample ID: 880-36710-A-20-B MS<br>Matrix: Solid<br>Analysis Batch: 68724 |               |                  |             |           |              |       |   |      |             | Client Sample ID: Matrix Spike<br>Prep Type: Soluble |  |
| Analyte                                                                      | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |                                                      |  |
| Chloride                                                                     | 77.3          |                  | 253         | 332.9     |              | mg/Kg |   | 101  | 90 - 110    |                                                      |  |

|                                                                               |               |                  |             |            |               |       |   |      |             |                                                                |           |
|-------------------------------------------------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|----------------------------------------------------------------|-----------|
| Lab Sample ID: 880-36710-A-20-C MSD<br>Matrix: Solid<br>Analysis Batch: 68724 |               |                  |             |            |               |       |   |      |             | Client Sample ID: Matrix Spike Duplicate<br>Prep Type: Soluble |           |
| Analyte                                                                       | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD                                                            | RPD Limit |
| Chloride                                                                      | 77.3          |                  | 253         | 332.5      |               | mg/Kg |   | 101  | 90 - 110    | 0                                                              | 20        |

## QC Association Summary

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-36712-1  
SDG: Eddy County, New Mexico

## GC VOA

## Analysis Batch: 68757

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-36712-1         | S-1 (0-1')             | Total/NA  | Solid  | 8021B  | 68791      |
| 880-36712-2         | S-1 (1.5')             | Total/NA  | Solid  | 8021B  | 68791      |
| 880-36712-3         | S-1 (2')               | Total/NA  | Solid  | 8021B  | 68791      |
| 880-36712-4         | S-1 (3')               | Total/NA  | Solid  | 8021B  | 68791      |
| 880-36712-5         | S-1 (4')               | Total/NA  | Solid  | 8021B  | 68791      |
| 880-36712-6         | S-1 (5')               | Total/NA  | Solid  | 8021B  | 68791      |
| MB 880-68791/5-A    | Method Blank           | Total/NA  | Solid  | 8021B  | 68791      |
| LCS 880-68791/1-A   | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 68791      |
| LCSD 880-68791/2-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 68791      |
| 890-5758-A-21-E MS  | Matrix Spike           | Total/NA  | Solid  | 8021B  | 68791      |
| 890-5758-A-21-F MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8021B  | 68791      |

## Prep Batch: 68791

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-36712-1         | S-1 (0-1')             | Total/NA  | Solid  | 5035   |            |
| 880-36712-2         | S-1 (1.5')             | Total/NA  | Solid  | 5035   |            |
| 880-36712-3         | S-1 (2')               | Total/NA  | Solid  | 5035   |            |
| 880-36712-4         | S-1 (3')               | Total/NA  | Solid  | 5035   |            |
| 880-36712-5         | S-1 (4')               | Total/NA  | Solid  | 5035   |            |
| 880-36712-6         | S-1 (5')               | Total/NA  | Solid  | 5035   |            |
| MB 880-68791/5-A    | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-68791/1-A   | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-68791/2-A  | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 890-5758-A-21-E MS  | Matrix Spike           | Total/NA  | Solid  | 5035   |            |
| 890-5758-A-21-F MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 68933

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 880-36712-1   | S-1 (0-1')       | Total/NA  | Solid  | Total BTEX |            |
| 880-36712-2   | S-1 (1.5')       | Total/NA  | Solid  | Total BTEX |            |
| 880-36712-3   | S-1 (2')         | Total/NA  | Solid  | Total BTEX |            |
| 880-36712-4   | S-1 (3')         | Total/NA  | Solid  | Total BTEX |            |
| 880-36712-5   | S-1 (4')         | Total/NA  | Solid  | Total BTEX |            |
| 880-36712-6   | S-1 (5')         | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Prep Batch: 68711

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 880-36712-1         | S-1 (0-1')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-36712-2         | S-1 (1.5')             | Total/NA  | Solid  | 8015NM Prep |            |
| 880-36712-3         | S-1 (2')               | Total/NA  | Solid  | 8015NM Prep |            |
| 880-36712-4         | S-1 (3')               | Total/NA  | Solid  | 8015NM Prep |            |
| 880-36712-5         | S-1 (4')               | Total/NA  | Solid  | 8015NM Prep |            |
| 880-36712-6         | S-1 (5')               | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-68711/1-A    | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-68711/2-A   | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-68711/3-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-36709-A-1-C MS  | Matrix Spike           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-36709-A-1-D MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015NM Prep |            |

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## QC Association Summary

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-36712-1  
SDG: Eddy County, New Mexico

## GC Semi VOA

## Analysis Batch: 68737

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-36712-1         | S-1 (0-1')             | Total/NA  | Solid  | 8015B NM | 68711      |
| 880-36712-2         | S-1 (1.5')             | Total/NA  | Solid  | 8015B NM | 68711      |
| 880-36712-3         | S-1 (2')               | Total/NA  | Solid  | 8015B NM | 68711      |
| 880-36712-4         | S-1 (3')               | Total/NA  | Solid  | 8015B NM | 68711      |
| 880-36712-5         | S-1 (4')               | Total/NA  | Solid  | 8015B NM | 68711      |
| 880-36712-6         | S-1 (5')               | Total/NA  | Solid  | 8015B NM | 68711      |
| MB 880-68711/1-A    | Method Blank           | Total/NA  | Solid  | 8015B NM | 68711      |
| LCS 880-68711/2-A   | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 68711      |
| LCSD 880-68711/3-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 68711      |
| 880-36709-A-1-C MS  | Matrix Spike           | Total/NA  | Solid  | 8015B NM | 68711      |
| 880-36709-A-1-D MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015B NM | 68711      |

## Analysis Batch: 68815

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-36712-1   | S-1 (0-1')       | Total/NA  | Solid  | 8015 NM |            |
| 880-36712-2   | S-1 (1.5')       | Total/NA  | Solid  | 8015 NM |            |
| 880-36712-3   | S-1 (2')         | Total/NA  | Solid  | 8015 NM |            |
| 880-36712-4   | S-1 (3')         | Total/NA  | Solid  | 8015 NM |            |
| 880-36712-5   | S-1 (4')         | Total/NA  | Solid  | 8015 NM |            |
| 880-36712-6   | S-1 (5')         | Total/NA  | Solid  | 8015 NM |            |

## HPLC/IC

## Leach Batch: 68697

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|----------------------|------------------------|-----------|--------|----------|------------|
| 880-36712-1          | S-1 (0-1')             | Soluble   | Solid  | DI Leach |            |
| 880-36712-2          | S-1 (1.5')             | Soluble   | Solid  | DI Leach |            |
| 880-36712-3          | S-1 (2')               | Soluble   | Solid  | DI Leach |            |
| 880-36712-4          | S-1 (3')               | Soluble   | Solid  | DI Leach |            |
| 880-36712-5          | S-1 (4')               | Soluble   | Solid  | DI Leach |            |
| 880-36712-6          | S-1 (5')               | Soluble   | Solid  | DI Leach |            |
| MB 880-68697/1-A     | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-68697/2-A    | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-68697/3-A   | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-36710-A-20-B MS  | Matrix Spike           | Soluble   | Solid  | DI Leach |            |
| 880-36710-A-20-C MSD | Matrix Spike Duplicate | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 68724

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 880-36712-1          | S-1 (0-1')             | Soluble   | Solid  | 300.0  | 68697      |
| 880-36712-2          | S-1 (1.5')             | Soluble   | Solid  | 300.0  | 68697      |
| 880-36712-3          | S-1 (2')               | Soluble   | Solid  | 300.0  | 68697      |
| 880-36712-4          | S-1 (3')               | Soluble   | Solid  | 300.0  | 68697      |
| 880-36712-5          | S-1 (4')               | Soluble   | Solid  | 300.0  | 68697      |
| 880-36712-6          | S-1 (5')               | Soluble   | Solid  | 300.0  | 68697      |
| MB 880-68697/1-A     | Method Blank           | Soluble   | Solid  | 300.0  | 68697      |
| LCS 880-68697/2-A    | Lab Control Sample     | Soluble   | Solid  | 300.0  | 68697      |
| LCSD 880-68697/3-A   | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 68697      |
| 880-36710-A-20-B MS  | Matrix Spike           | Soluble   | Solid  | 300.0  | 68697      |
| 880-36710-A-20-C MSD | Matrix Spike Duplicate | Soluble   | Solid  | 300.0  | 68697      |

Eurofins Midland

Lab Chronicle

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-36712-1  
SDG: Eddy County, New Mexico

Client Sample ID: S-1 (0-1')  
Date Collected: 12/06/23 00:00  
Date Received: 12/08/23 14:36

Lab Sample ID: 880-36712-1  
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         | 68791        | 12/11/23 10:05       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 68757        | 12/11/23 17:43       | SM      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 68933        | 12/11/23 17:43       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 68815        | 12/09/23 13:58       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.98 g         | 10 mL        | 68711        | 12/08/23 16:38       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 68737        | 12/09/23 13:58       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 68697        | 12/08/23 15:14       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 50         | 50 mL          | 50 mL        | 68724        | 12/09/23 05:38       | CH      | EET MID |

Client Sample ID: S-1 (1.5')  
Date Collected: 12/06/23 00:00  
Date Received: 12/08/23 14:36

Lab Sample ID: 880-36712-2  
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         |     |            | 4.99 g         | 5 mL         | 68791        | 12/11/23 10:05       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 68757        | 12/11/23 18:03       | SM      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 68933        | 12/11/23 18:03       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 68815        | 12/09/23 14:20       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.90 g         | 10 mL        | 68711        | 12/08/23 16:38       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 68737        | 12/09/23 14:20       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 68697        | 12/08/23 15:14       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 50         | 50 mL          | 50 mL        | 68724        | 12/09/23 05:44       | CH      | EET MID |

Client Sample ID: S-1 (2')  
Date Collected: 12/06/23 00:00  
Date Received: 12/08/23 14:36

Lab Sample ID: 880-36712-3  
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         | 68791        | 12/11/23 10:05       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 68757        | 12/11/23 18:24       | SM      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 68933        | 12/11/23 18:24       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 68815        | 12/09/23 14:41       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.98 g         | 10 mL        | 68711        | 12/08/23 16:38       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 68737        | 12/09/23 14:41       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 68697        | 12/08/23 15:14       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 50         | 50 mL          | 50 mL        | 68724        | 12/09/23 05:51       | CH      | EET MID |

Client Sample ID: S-1 (3')  
Date Collected: 12/06/23 00:00  
Date Received: 12/08/23 14:36

Lab Sample ID: 880-36712-4  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.05 g         | 5 mL         | 68791        | 12/11/23 10:05       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 68757        | 12/11/23 18:44       | SM      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 68933        | 12/11/23 18:44       | SM      | EET MID |

Eurofins Midland

Lab Chronicle

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-36712-1  
SDG: Eddy County, New Mexico

Client Sample ID: S-1 (3')  
Date Collected: 12/06/23 00:00  
Date Received: 12/08/23 14:36

Lab Sample ID: 880-36712-4  
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          |                |              | 68815        | 12/09/23 15:25       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.97 g         | 10 mL        | 68711        | 12/08/23 16:38       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 68737        | 12/09/23 15:25       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 68697        | 12/08/23 15:14       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 20         | 50 mL          | 50 mL        | 68724        | 12/09/23 05:57       | CH      | EET MID |

Client Sample ID: S-1 (4')  
Date Collected: 12/06/23 00:00  
Date Received: 12/08/23 14:36

Lab Sample ID: 880-36712-5  
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         | 68791        | 12/11/23 10:05       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 68757        | 12/11/23 19:05       | SM      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 68933        | 12/11/23 19:05       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 68815        | 12/09/23 15:47       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.92 g         | 10 mL        | 68711        | 12/08/23 16:38       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 68737        | 12/09/23 15:47       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 68697        | 12/08/23 15:14       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 68724        | 12/09/23 06:04       | CH      | EET MID |

Client Sample ID: S-1 (5')  
Date Collected: 12/06/23 00:00  
Date Received: 12/08/23 14:36

Lab Sample ID: 880-36712-6  
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         |     |            | 5.01 g         | 5 mL         | 68791        | 12/11/23 10:05       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 68757        | 12/11/23 19:25       | SM      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 68933        | 12/11/23 19:25       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 68815        | 12/09/23 16:09       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.90 g         | 10 mL        | 68711        | 12/08/23 16:38       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 68737        | 12/09/23 16:09       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.97 g         | 50 mL        | 68697        | 12/08/23 15:14       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 68724        | 12/09/23 06:10       | 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: Cooper 31 1H (09.26.22)

Job ID: 880-36712-1  
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       | T104704400-23-26      | 06-30-24        |
| 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         |
| 8015 NM                                                                                                                                                                                               |             | Solid                 | Total TPH       |
| Total BTEX                                                                                                                                                                                            |             | Solid                 | Total BTEX      |

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-36712-1  
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

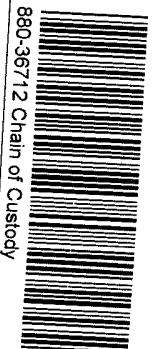
Sample Summary

Client: Carmona Resources  
Project/Site: Cooper 31 1H (09.26.22)

Job ID: 880-36712-1  
SDG: Eddy County, New Mexico

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 880-36712-1   | S-1 (0-1')       | Solid  | 12/06/23 00:00 | 12/08/23 14:36 |
| 880-36712-2   | S-1 (1.5')       | Solid  | 12/06/23 00:00 | 12/08/23 14:36 |
| 880-36712-3   | S-1 (2')         | Solid  | 12/06/23 00:00 | 12/08/23 14:36 |
| 880-36712-4   | S-1 (3')         | Solid  | 12/06/23 00:00 | 12/08/23 14:36 |
| 880-36712-5   | S-1 (4')         | Solid  | 12/06/23 00:00 | 12/08/23 14:36 |
| 880-36712-6   | S-1 (5')         | Solid  | 12/06/23 00:00 | 12/08/23 14:36 |

Chain of Custody



880-36712 Chain of Custody

|                  |                       |                        |                   |
|------------------|-----------------------|------------------------|-------------------|
| Project Manager  | Conner Moehring       | Bill to (if different) | Mike Carmona      |
| Company Name     | Carmona Resources     | Company Name:          | Carmona Resources |
| Address:         | 310 W Wall St Ste 415 | Address:               |                   |
| City, State ZIP: | Midland, TX 79701     | City, State ZIP        |                   |
| Phone            | 432-813-6823          | Email                  |                   |

|                       |                         |             |                                                                           |            |           |                  |   |   |   |  |  |  |  |  |  |  |  |                                                                   |                           |  |
|-----------------------|-------------------------|-------------|---------------------------------------------------------------------------|------------|-----------|------------------|---|---|---|--|--|--|--|--|--|--|--|-------------------------------------------------------------------|---------------------------|--|
| Project Name          | Cooper 31 1H (09 26 22) | Turn Around | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush | Pres. Code |           | ANALYSIS REQUEST |   |   |   |  |  |  |  |  |  |  |  | Preservative Codes                                                |                           |  |
| Project Number        | 1141                    |             |                                                                           |            |           |                  |   |   |   |  |  |  |  |  |  |  |  | None NO                                                           | DI Water H <sub>2</sub> O |  |
| Project Location      | Eddy County, New Mexico | Due Date    |                                                                           |            |           |                  |   |   |   |  |  |  |  |  |  |  |  | Cool Cool                                                         | MeOH Me                   |  |
| Sampler's Name:       | GP                      |             |                                                                           |            |           |                  |   |   |   |  |  |  |  |  |  |  |  | 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    | Yes No      | Well 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           |  |
| S-1 (0-1')            | 12/6/2023               |             | X                                                                         |            | G         | 1                | X | X | X |  |  |  |  |  |  |  |  |                                                                   |                           |  |
| S-1 (1-5')            | 12/6/2023               |             | X                                                                         |            | G         | 1                | X | X | X |  |  |  |  |  |  |  |  |                                                                   |                           |  |
| S-1 (2')              | 12/6/2023               |             | X                                                                         |            | G         | 1                | X | X | X |  |  |  |  |  |  |  |  |                                                                   |                           |  |
| S-1 (3')              | 12/6/2023               |             | X                                                                         |            | G         | 1                | X | X | X |  |  |  |  |  |  |  |  |                                                                   |                           |  |
| S-1 (4')              | 12/6/2023               |             | X                                                                         |            | G         | 1                | X | X | X |  |  |  |  |  |  |  |  |                                                                   |                           |  |
| S-1 (5')              | 12/6/2023               |             | X                                                                         |            | G         | 1                | X | X | X |  |  |  |  |  |  |  |  |                                                                   |                           |  |

Comments

|                             |           |                         |           |
|-----------------------------|-----------|-------------------------|-----------|
| Relinquished by (Signature) | Date/Time | Received by (Signature) | Date/Time |
|                             | 12/8/23   |                         | 12/30     |

## Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-36712-1

SDG Number: Eddy County, New Mexico

Login Number: 36712

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    |         |



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 02, 2023

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: COOPER 31 1H (09.26.22)

Enclosed are the results of analyses for samples received by the laboratory on 05/01/23 8:11.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

|                  |                              |
|------------------|------------------------------|
| Method EPA 552.2 | Haloacetic Acids (HAA-5)     |
| Method EPA 524.2 | Total Trihalomethanes (TTHM) |
| Method EPA 524.4 | Regulated VOCs (V1, V2, V3)  |

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 05/01/2023  
 Reported: 05/02/2023  
 Project Name: COOPER 31 1H (09.26.22)  
 Project Number: 1141  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 1 (6.5') (H232116-01)**

| BTX 8021B      |        |                 | mg/kg      |              | Analyzed By: JH |            |               |       |           |
|----------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank | BS              | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 05/01/2023 | ND           | 1.83            | 91.6       | 2.00          | 2.85  |           |
| Toluene*       | <0.050 | 0.050           | 05/01/2023 | ND           | 1.84            | 91.8       | 2.00          | 2.62  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 05/01/2023 | ND           | 1.84            | 91.8       | 2.00          | 2.64  |           |
| Total Xylenes* | <0.150 | 0.150           | 05/01/2023 | ND           | 5.60            | 93.4       | 6.00          | 0.997 |           |
| Total BTX      | <0.300 | 0.300           | 05/01/2023 | ND           |                 |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 14000  | 16.0            | 05/01/2023 | ND              | 432 | 108        | 400           | 7.14 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/01/2023 | ND              | 191 | 95.5       | 200           | 6.26 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/01/2023 | ND              | 205 | 102        | 200           | 7.79 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/01/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 05/01/2023  
 Reported: 05/02/2023  
 Project Name: COOPER 31 1H (09.26.22)  
 Project Number: 1141  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 2 (6.5') (H232116-02)**

| BTEX 8021B     |        |                 | mg/kg      |              | Analyzed By: JH |            |               |       |           |
|----------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank | BS              | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 05/01/2023 | ND           | 1.83            | 91.6       | 2.00          | 2.85  |           |
| Toluene*       | <0.050 | 0.050           | 05/01/2023 | ND           | 1.84            | 91.8       | 2.00          | 2.62  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 05/01/2023 | ND           | 1.84            | 91.8       | 2.00          | 2.64  |           |
| Total Xylenes* | <0.150 | 0.150           | 05/01/2023 | ND           | 5.60            | 93.4       | 6.00          | 0.997 |           |
| Total BTEX     | <0.300 | 0.300           | 05/01/2023 | ND           |                 |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 20800  | 16.0            | 05/01/2023 | ND              | 432 | 108        | 400           | 7.14 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/01/2023 | ND              | 191 | 95.5       | 200           | 6.26 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/01/2023 | ND              | 205 | 102        | 200           | 7.79 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/01/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 05/01/2023  
 Reported: 05/02/2023  
 Project Name: COOPER 31 1H (09.26.22)  
 Project Number: 1141  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 3 (6.5') (H232116-03)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 05/01/2023 | ND              | 1.83 | 91.6       | 2.00          | 2.85  |           |  |
| Toluene*       | <0.050 | 0.050           | 05/01/2023 | ND              | 1.84 | 91.8       | 2.00          | 2.62  |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 05/01/2023 | ND              | 1.84 | 91.8       | 2.00          | 2.64  |           |  |
| Total Xylenes* | <0.150 | 0.150           | 05/01/2023 | ND              | 5.60 | 93.4       | 6.00          | 0.997 |           |  |
| Total BTEX     | <0.300 | 0.300           | 05/01/2023 | ND              |      |            |               |       |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 11200  | 16.0            | 05/01/2023 | ND              | 416 | 104        | 400           | 3.77 | QM-07     |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/01/2023 | ND              | 191 | 95.5       | 200           | 6.26 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/01/2023 | ND              | 205 | 102        | 200           | 7.79 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/01/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 130 % 48.2-134

Surrogate: 1-Chlorooctadecane 148 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 05/01/2023  
 Reported: 05/02/2023  
 Project Name: COOPER 31 1H (09.26.22)  
 Project Number: 1141  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 4 (1.5') (H232116-04)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 05/01/2023 | ND              | 1.83 | 91.6       | 2.00          | 2.85  |           |  |
| Toluene*       | <0.050 | 0.050           | 05/01/2023 | ND              | 1.84 | 91.8       | 2.00          | 2.62  |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 05/01/2023 | ND              | 1.84 | 91.8       | 2.00          | 2.64  |           |  |
| Total Xylenes* | <0.150 | 0.150           | 05/01/2023 | ND              | 5.60 | 93.4       | 6.00          | 0.997 |           |  |
| Total BTEX     | <0.300 | 0.300           | 05/01/2023 | ND              |      |            |               |       |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 2800   | 16.0            | 05/01/2023 | ND              | 416 | 104        | 400           | 3.77 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/01/2023 | ND              | 191 | 95.5       | 200           | 6.26 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/01/2023 | ND              | 205 | 102        | 200           | 7.79 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/01/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 05/01/2023  
 Reported: 05/02/2023  
 Project Name: COOPER 31 1H (09.26.22)  
 Project Number: 1141  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 5 (1.5') (H232116-05)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 05/01/2023 | ND              | 1.83 | 91.6       | 2.00          | 2.85  |           |  |
| Toluene*       | <0.050 | 0.050           | 05/01/2023 | ND              | 1.84 | 91.8       | 2.00          | 2.62  |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 05/01/2023 | ND              | 1.84 | 91.8       | 2.00          | 2.64  |           |  |
| Total Xylenes* | <0.150 | 0.150           | 05/01/2023 | ND              | 5.60 | 93.4       | 6.00          | 0.997 |           |  |
| Total BTEX     | <0.300 | 0.300           | 05/01/2023 | ND              |      |            |               |       |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 2800   | 16.0            | 05/01/2023 | ND              | 416 | 104        | 400           | 3.77 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/01/2023 | ND              | 191 | 95.5       | 200           | 6.26 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/01/2023 | ND              | 205 | 102        | 200           | 7.79 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/01/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 05/01/2023  
 Reported: 05/02/2023  
 Project Name: COOPER 31 1H (09.26.22)  
 Project Number: 1141  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 6 (1.5') (H232116-06)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 05/01/2023 | ND              | 1.83 | 91.6       | 2.00          | 2.85  |           |  |
| Toluene*       | <0.050 | 0.050           | 05/01/2023 | ND              | 1.84 | 91.8       | 2.00          | 2.62  |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 05/01/2023 | ND              | 1.84 | 91.8       | 2.00          | 2.64  |           |  |
| Total Xylenes* | <0.150 | 0.150           | 05/01/2023 | ND              | 5.60 | 93.4       | 6.00          | 0.997 |           |  |
| Total BTEx     | <0.300 | 0.300           | 05/01/2023 | ND              |      |            |               |       |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 1440   | 16.0            | 05/01/2023 | ND              | 416 | 104        | 400           | 3.77 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/01/2023 | ND              | 191 | 95.5       | 200           | 6.26 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/01/2023 | ND              | 205 | 102        | 200           | 7.79 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/01/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 05/01/2023  
 Reported: 05/02/2023  
 Project Name: COOPER 31 1H (09.26.22)  
 Project Number: 1141  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 7 (1.5') (H232116-07)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 05/01/2023 | ND              | 1.83 | 91.6       | 2.00          | 2.85  |           |  |
| Toluene*       | <0.050 | 0.050           | 05/01/2023 | ND              | 1.84 | 91.8       | 2.00          | 2.62  |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 05/01/2023 | ND              | 1.84 | 91.8       | 2.00          | 2.64  |           |  |
| Total Xylenes* | <0.150 | 0.150           | 05/01/2023 | ND              | 5.60 | 93.4       | 6.00          | 0.997 |           |  |
| Total BTEX     | <0.300 | 0.300           | 05/01/2023 | ND              |      |            |               |       |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 1790   | 16.0            | 05/01/2023 | ND              | 416 | 104        | 400           | 3.77 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/01/2023 | ND              | 191 | 95.5       | 200           | 6.26 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/01/2023 | ND              | 205 | 102        | 200           | 7.79 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/01/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 125 % 48.2-134

Surrogate: 1-Chlorooctadecane 136 % 49.1-148

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 05/01/2023  
 Reported: 05/02/2023  
 Project Name: COOPER 31 1H (09.26.22)  
 Project Number: 1141  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 8 (1.5') (H232116-08)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 05/01/2023 | ND              | 1.83 | 91.6       | 2.00          | 2.85  |           |
| Toluene*       | <0.050 | 0.050           | 05/01/2023 | ND              | 1.84 | 91.8       | 2.00          | 2.62  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 05/01/2023 | ND              | 1.84 | 91.8       | 2.00          | 2.64  |           |
| Total Xylenes* | <0.150 | 0.150           | 05/01/2023 | ND              | 5.60 | 93.4       | 6.00          | 0.997 |           |
| Total BTEX     | <0.300 | 0.300           | 05/01/2023 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 1880   | 16.0            | 05/01/2023 | ND              | 416 | 104        | 400           | 3.77 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/01/2023 | ND              | 191 | 95.5       | 200           | 6.26 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/01/2023 | ND              | 205 | 102        | 200           | 7.79 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/01/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 126 % 48.2-134

Surrogate: 1-Chlorooctadecane 143 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 05/01/2023  
 Reported: 05/02/2023  
 Project Name: COOPER 31 1H (09.26.22)  
 Project Number: 1141  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 9 (1.5') (H232116-09)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 05/01/2023 | ND              | 1.83 | 91.6       | 2.00          | 2.85  |           |  |
| Toluene*       | <0.050 | 0.050           | 05/01/2023 | ND              | 1.84 | 91.8       | 2.00          | 2.62  |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 05/01/2023 | ND              | 1.84 | 91.8       | 2.00          | 2.64  |           |  |
| Total Xylenes* | <0.150 | 0.150           | 05/01/2023 | ND              | 5.60 | 93.4       | 6.00          | 0.997 |           |  |
| Total BTEX     | <0.300 | 0.300           | 05/01/2023 | ND              |      |            |               |       |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 1010   | 16.0            | 05/01/2023 | ND              | 416 | 104        | 400           | 3.77 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/01/2023 | ND              | 191 | 95.5       | 200           | 6.26 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/01/2023 | ND              | 205 | 102        | 200           | 7.79 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/01/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 123 % 48.2-134

Surrogate: 1-Chlorooctadecane 139 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 05/01/2023  
 Reported: 05/02/2023  
 Project Name: COOPER 31 1H (09.26.22)  
 Project Number: 1141  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 1 (6.5') (H232116-10)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 05/01/2023 | ND              | 1.83 | 91.6       | 2.00          | 2.85  |           |
| Toluene*       | <0.050 | 0.050           | 05/01/2023 | ND              | 1.84 | 91.8       | 2.00          | 2.62  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 05/01/2023 | ND              | 1.84 | 91.8       | 2.00          | 2.64  |           |
| Total Xylenes* | <0.150 | 0.150           | 05/01/2023 | ND              | 5.60 | 93.4       | 6.00          | 0.997 |           |
| Total BTEX     | <0.300 | 0.300           | 05/01/2023 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 23200  | 16.0            | 05/01/2023 | ND              | 416 | 104        | 400           | 3.77 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/01/2023 | ND              | 191 | 95.5       | 200           | 6.26 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/01/2023 | ND              | 205 | 102        | 200           | 7.79 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/01/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 128 % 48.2-134

Surrogate: 1-Chlorooctadecane 146 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 05/01/2023  
 Reported: 05/02/2023  
 Project Name: COOPER 31 1H (09.26.22)  
 Project Number: 1141  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 2 (6.5') (H232116-11)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 05/01/2023 | ND              | 1.83 | 91.6       | 2.00          | 2.85  |           |
| Toluene*       | <0.050 | 0.050           | 05/01/2023 | ND              | 1.84 | 91.8       | 2.00          | 2.62  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 05/01/2023 | ND              | 1.84 | 91.8       | 2.00          | 2.64  |           |
| Total Xylenes* | <0.150 | 0.150           | 05/01/2023 | ND              | 5.60 | 93.4       | 6.00          | 0.997 |           |
| Total BTEX     | <0.300 | 0.300           | 05/01/2023 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 32.0   | 16.0            | 05/01/2023 | ND              | 416 | 104        | 400           | 3.77 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/01/2023 | ND              | 191 | 95.5       | 200           | 6.26 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/01/2023 | ND              | 205 | 102        | 200           | 7.79 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/01/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 125 % 48.2-134

Surrogate: 1-Chlorooctadecane 141 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 05/01/2023  
 Reported: 05/02/2023  
 Project Name: COOPER 31 1H (09.26.22)  
 Project Number: 1141  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 3 (6.5') (H232116-12)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 05/01/2023 | ND              | 1.83 | 91.6       | 2.00          | 2.85  |           |  |
| Toluene*       | <0.050 | 0.050           | 05/01/2023 | ND              | 1.84 | 91.8       | 2.00          | 2.62  |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 05/01/2023 | ND              | 1.84 | 91.8       | 2.00          | 2.64  |           |  |
| Total Xylenes* | <0.150 | 0.150           | 05/01/2023 | ND              | 5.60 | 93.4       | 6.00          | 0.997 |           |  |
| Total BTEX     | <0.300 | 0.300           | 05/01/2023 | ND              |      |            |               |       |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 16.0   | 16.0            | 05/01/2023 | ND              | 416 | 104        | 400           | 3.77 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/01/2023 | ND              | 191 | 95.5       | 200           | 6.26 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/01/2023 | ND              | 205 | 102        | 200           | 7.79 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/01/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 140 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 05/01/2023  
 Reported: 05/02/2023  
 Project Name: COOPER 31 1H (09.26.22)  
 Project Number: 1141  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 4 (6.5') (H232116-13)**

| BTEX 8021B     |        |                 | mg/kg      |              | Analyzed By: JH |            |               |       |           |
|----------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank | BS              | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 05/01/2023 | ND           | 1.83            | 91.6       | 2.00          | 2.85  |           |
| Toluene*       | <0.050 | 0.050           | 05/01/2023 | ND           | 1.84            | 91.8       | 2.00          | 2.62  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 05/01/2023 | ND           | 1.84            | 91.8       | 2.00          | 2.64  |           |
| Total Xylenes* | <0.150 | 0.150           | 05/01/2023 | ND           | 5.60            | 93.4       | 6.00          | 0.997 |           |
| Total BTEX     | <0.300 | 0.300           | 05/01/2023 | ND           |                 |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 18800  | 16.0            | 05/01/2023 | ND              | 416 | 104        | 400           | 3.77 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/01/2023 | ND              | 191 | 95.5       | 200           | 6.26 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/01/2023 | ND              | 205 | 102        | 200           | 7.79 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/01/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 145 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 05/01/2023  
 Reported: 05/02/2023  
 Project Name: COOPER 31 1H (09.26.22)  
 Project Number: 1141  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 5 (6.5') (H232116-14)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 05/01/2023 | ND              | 1.83 | 91.6       | 2.00          | 2.85  |           |
| Toluene*       | <0.050 | 0.050           | 05/01/2023 | ND              | 1.84 | 91.8       | 2.00          | 2.62  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 05/01/2023 | ND              | 1.84 | 91.8       | 2.00          | 2.64  |           |
| Total Xylenes* | <0.150 | 0.150           | 05/01/2023 | ND              | 5.60 | 93.4       | 6.00          | 0.997 |           |
| Total BTEX     | <0.300 | 0.300           | 05/01/2023 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 10000  | 16.0            | 05/01/2023 | ND              | 416 | 104        | 400           | 3.77 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               | S-04 |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/01/2023 | ND              | 191 | 95.5       | 200           | 6.26 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/01/2023 | ND              | 205 | 102        | 200           | 7.79 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/01/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 127 % 48.2-134

Surrogate: 1-Chlorooctadecane 151 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 05/01/2023  
 Reported: 05/02/2023  
 Project Name: COOPER 31 1H (09.26.22)  
 Project Number: 1141  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 6 (6.5') (H232116-15)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 05/01/2023 | ND              | 1.83 | 91.6       | 2.00          | 2.85  |           |  |
| Toluene*       | <0.050 | 0.050           | 05/01/2023 | ND              | 1.84 | 91.8       | 2.00          | 2.62  |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 05/01/2023 | ND              | 1.84 | 91.8       | 2.00          | 2.64  |           |  |
| Total Xylenes* | <0.150 | 0.150           | 05/01/2023 | ND              | 5.60 | 93.4       | 6.00          | 0.997 |           |  |
| Total BTEx     | <0.300 | 0.300           | 05/01/2023 | ND              |      |            |               |       |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 10000  | 16.0            | 05/01/2023 | ND              | 416 | 104        | 400           | 3.77 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/01/2023 | ND              | 191 | 95.5       | 200           | 6.26 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/01/2023 | ND              | 205 | 102        | 200           | 7.79 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/01/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 125 % 48.2-134

Surrogate: 1-Chlorooctadecane 144 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 05/01/2023  
 Reported: 05/02/2023  
 Project Name: COOPER 31 1H (09.26.22)  
 Project Number: 1141  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 7 (1.5') (H232116-16)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 05/01/2023 | ND              | 1.83 | 91.6       | 2.00          | 2.85  |           |
| Toluene*       | <0.050 | 0.050           | 05/01/2023 | ND              | 1.84 | 91.8       | 2.00          | 2.62  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 05/01/2023 | ND              | 1.84 | 91.8       | 2.00          | 2.64  |           |
| Total Xylenes* | <0.150 | 0.150           | 05/01/2023 | ND              | 5.60 | 93.4       | 6.00          | 0.997 |           |
| Total BTEX     | <0.300 | 0.300           | 05/01/2023 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 32.0   | 16.0            | 05/01/2023 | ND              | 416 | 104        | 400           | 3.77 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/01/2023 | ND              | 191 | 95.5       | 200           | 6.26 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/01/2023 | ND              | 205 | 102        | 200           | 7.79 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/01/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 141 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 05/01/2023  
 Reported: 05/02/2023  
 Project Name: COOPER 31 1H (09.26.22)  
 Project Number: 1141  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 8 (1.5') (H232116-17)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 05/01/2023 | ND              | 1.83 | 91.6       | 2.00          | 2.85  |           |
| Toluene*       | <0.050 | 0.050           | 05/01/2023 | ND              | 1.84 | 91.8       | 2.00          | 2.62  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 05/01/2023 | ND              | 1.84 | 91.8       | 2.00          | 2.64  |           |
| Total Xylenes* | <0.150 | 0.150           | 05/01/2023 | ND              | 5.60 | 93.4       | 6.00          | 0.997 |           |
| Total BTEX     | <0.300 | 0.300           | 05/01/2023 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 16.0   | 16.0            | 05/01/2023 | ND              | 416 | 104        | 400           | 3.77 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               | S-04 |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/01/2023 | ND              | 191 | 95.5       | 200           | 6.26 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/01/2023 | ND              | 205 | 102        | 200           | 7.79 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/01/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 131 % 48.2-134

Surrogate: 1-Chlorooctadecane 151 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 05/01/2023  
 Reported: 05/02/2023  
 Project Name: COOPER 31 1H (09.26.22)  
 Project Number: 1141  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 9 (1.5') (H232116-18)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 05/01/2023 | ND              | 1.83 | 91.6       | 2.00          | 2.85  |           |
| Toluene*       | <0.050 | 0.050           | 05/01/2023 | ND              | 1.84 | 91.8       | 2.00          | 2.62  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 05/01/2023 | ND              | 1.84 | 91.8       | 2.00          | 2.64  |           |
| Total Xylenes* | <0.150 | 0.150           | 05/01/2023 | ND              | 5.60 | 93.4       | 6.00          | 0.997 |           |
| Total BTX      | <0.300 | 0.300           | 05/01/2023 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | <16.0  | 16.0            | 05/01/2023 | ND              | 416 | 104        | 400           | 3.77 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               | S-04 |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/01/2023 | ND              | 191 | 95.5       | 200           | 6.26 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/01/2023 | ND              | 205 | 102        | 200           | 7.79 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/01/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 130 % 48.2-134

Surrogate: 1-Chlorooctadecane 149 % 49.1-148

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CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 05/01/2023  
 Reported: 05/02/2023  
 Project Name: COOPER 31 1H (09.26.22)  
 Project Number: 1141  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 10 (1.5') (H232116-19)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 05/01/2023 | ND              | 1.83 | 91.6       | 2.00          | 2.85  |           |
| Toluene*       | <0.050 | 0.050           | 05/01/2023 | ND              | 1.84 | 91.8       | 2.00          | 2.62  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 05/01/2023 | ND              | 1.84 | 91.8       | 2.00          | 2.64  |           |
| Total Xylenes* | <0.150 | 0.150           | 05/01/2023 | ND              | 5.60 | 93.4       | 6.00          | 0.997 |           |
| Total BTEX     | <0.300 | 0.300           | 05/01/2023 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | <16.0  | 16.0            | 05/01/2023 | ND              | 416 | 104        | 400           | 3.77 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/01/2023 | ND              | 191 | 95.5       | 200           | 6.26 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/01/2023 | ND              | 205 | 102        | 200           | 7.79 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/01/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 127 % 48.2-134

Surrogate: 1-Chlorooctadecane 143 % 49.1-148

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### Notes and Definitions

|       |                                                                                                                                                                |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| S-04  | The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.                                                 |
| QM-07 | The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.                               |
| ND    | Analyte NOT DETECTED at or above the reporting limit                                                                                                           |
| RPD   | Relative Percent Difference                                                                                                                                    |
| **    | Samples not received at proper temperature of 6°C or below.                                                                                                    |
| ***   | Insufficient time to reach temperature.                                                                                                                        |
| -     | Chloride by SM4500Cl-B does not require samples be received at or below 6°C<br>Samples reported on an as received basis (wet) unless otherwise noted on report |

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A handwritten signature in black ink, appearing to read "Celey D. Keene", written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H0328110

Page 1 of 2

|                  |                       |                         |                   |
|------------------|-----------------------|-------------------------|-------------------|
| Project Manager: | Conner Moehring       | Bill to: (if different) | Mike Carmona      |
| Company Name:    | Carmona Resources     | Company Name:           | Carmona Resources |
| Address:         | 310 W Wall St Ste 415 | Address:                |                   |
| City, State ZIP: | Midland, TX 79701     | City, State ZIP:        |                   |
| Phone:           | 432-813-6823          | Email:                  |                   |

|                                                                                                                                                                               |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Work Order Comments                                                                                                                                                           |  |
| Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Iperfund <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:         | Cooper 31 1H (09.26.22)                                                 | Turn Around                                                               | Press. Code | ANALYSIS REQUEST                                                    |           |           |   |   |   |  |  |  |  |  |  | Preservative Codes |                                                                   |                            |                 |
| Project Number:       | 1141                                                                    | <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:       | MM                                                                      |                                                                           |             |                                                                     |           |           |   |   |   |  |  |  |  |  |  |                    | 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"/>       | Wet Ice:    | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |           |           |   |   |   |  |  |  |  |  |  |                    | H <sub>3</sub> PO <sub>4</sub> : HP                               |                            |                 |
| Received Intact:      | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>     | Thermometer ID:                                                           |             |                                                                     |           |           |   |   |   |  |  |  |  |  |  |                    | NaHSO <sub>4</sub> : NABIS                                        |                            |                 |
| Cooler Custody Seals: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Correction Factor:                                                        |             |                                                                     |           |           |   |   |   |  |  |  |  |  |  |                    | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |                            |                 |
| Sample Custody Seals: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 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 |
| CS-1 (6.5')           | 4/28/2023                                                               |                                                                           | X           |                                                                     | C         | 1         | X | X | X |  |  |  |  |  |  |                    |                                                                   | 1                          |                 |
| CS-2 (6.5')           | 4/28/2023                                                               |                                                                           | X           |                                                                     | C         | 1         | X | X | X |  |  |  |  |  |  |                    |                                                                   | 2                          |                 |
| CS-3 (6.5')           | 4/28/2023                                                               |                                                                           | X           |                                                                     | C         | 1         | X | X | X |  |  |  |  |  |  |                    |                                                                   | 3                          |                 |
| CS-4 (1.5')           | 4/28/2023                                                               |                                                                           | X           |                                                                     | C         | 1         | X | X | X |  |  |  |  |  |  |                    |                                                                   | 4                          |                 |
| CS-5 (1.5')           | 4/28/2023                                                               |                                                                           | X           |                                                                     | C         | 1         | X | X | X |  |  |  |  |  |  |                    |                                                                   | 5                          |                 |
| CS-6 (1.5')           | 4/28/2023                                                               |                                                                           | X           |                                                                     | C         | 1         | X | X | X |  |  |  |  |  |  |                    |                                                                   | 6                          |                 |
| CS-7 (1.5')           | 4/28/2023                                                               |                                                                           | X           |                                                                     | C         | 1         | X | X | X |  |  |  |  |  |  |                    |                                                                   | 7                          |                 |
| CS-8 (1.5')           | 4/28/2023                                                               |                                                                           | X           |                                                                     | C         | 1         | X | X | X |  |  |  |  |  |  |                    |                                                                   | 8                          |                 |
| CS-9 (1.5')           | 4/28/2023                                                               |                                                                           | X           |                                                                     | C         | 1         | X | X | X |  |  |  |  |  |  |                    |                                                                   | 9                          |                 |
| SW-1 (6.5')           | 4/28/2023                                                               |                                                                           | X           |                                                                     | C         | 1         | X | X | X |  |  |  |  |  |  |                    |                                                                   | 10                         |                 |

Comments:

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Date/Time

*Handwritten Signature*

5/1/23 0811

*Handwritten Signature*

Chain of Custody

Work Order No: **HA332116**

Page 2 of 2

|                  |                       |                         |                   |
|------------------|-----------------------|-------------------------|-------------------|
| Project Manager: | Conner Moehring       | Bill to: (if different) | Mike Carmona      |
| Company Name:    | Carmona Resources     | Company Name:           | Carmona Resources |
| Address:         | 310 W Wall St Ste 415 | Address:                |                   |
| City, State ZIP: | Midland, TX 79701     | City, State ZIP:        |                   |
| Phone:           | 432-813-6823          | Email:                  |                   |

|                                                                                                                                                                                      |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Work Order Comments                                                                                                                                                                  |  |
| Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> Iperfund <input type="checkbox"/>            |  |
| State of Project:                                                                                                                                                                    |  |
| Reporting Level: 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:         | Cooper 31 1H (09.26.22)                                                 | Turn Around                                                         | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush | Pres. Code                                                          | ANALYSIS REQUEST |           |   |   |   |  |  |  |  |  | Preservative Codes |  |                                                                   |                            |
| Project Number:       | 1141                                                                    |                                                                     |                                                                           |                                                                     |                  |           |   |   |   |  |  |  |  |  |                    |  | None: NO                                                          | DI Water: H <sub>2</sub> O |
| Project Location:     | Eddy County, New Mexico                                                 | Due Date:                                                           |                                                                           |                                                                     |                  |           |   |   |   |  |  |  |  |  |                    |  | Cool: Cool                                                        | MeOH: Me                   |
| Sampler's Name:       | MM                                                                      |                                                                     |                                                                           |                                                                     |                  |           |   |   |   |  |  |  |  |  |                    |  | 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"/> | Wet Ice:                                                                  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |                  |           |   |   |   |  |  |  |  |  |                    |  | H <sub>3</sub> PO <sub>4</sub> : HP                               |                            |
| Received Intact:      | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>     | Thermometer ID:                                                     |                                                                           |                                                                     |                  |           |   |   |   |  |  |  |  |  |                    |  | NaHSO <sub>4</sub> : NABIS                                        |                            |
| Cooler Custody Seals: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Correction Factor:                                                  |                                                                           |                                                                     |                  |           |   |   |   |  |  |  |  |  |                    |  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |                            |
| Sample Custody Seals: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 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                                                   |                            |
| SW-2 (6.5')           | 4/28/23                                                                 | 4:12:03                                                             | X                                                                         |                                                                     | C                | 1         | X | X | X |  |  |  |  |  |                    |  |                                                                   | 11                         |
| SW-3 (6.5')           | 1/17/2023                                                               |                                                                     | X                                                                         |                                                                     | C                | 1         | X | X | X |  |  |  |  |  |                    |  |                                                                   | 12                         |
| SW-4 (6.5')           | 1/17/2023                                                               |                                                                     | X                                                                         |                                                                     | C                | 1         | X | X | X |  |  |  |  |  |                    |  |                                                                   | 13                         |
| SW-5 (6.5')           | 1/17/2023                                                               |                                                                     | X                                                                         |                                                                     | C                | 1         | X | X | X |  |  |  |  |  |                    |  |                                                                   | 14                         |
| SW-6 (6.5')           | 1/17/2023                                                               |                                                                     | X                                                                         |                                                                     | C                | 1         | X | X | X |  |  |  |  |  |                    |  |                                                                   | 15                         |
| SW-7 (1.5')           | 1/17/2023                                                               |                                                                     | X                                                                         |                                                                     | C                | 1         | X | X | X |  |  |  |  |  |                    |  |                                                                   | 16                         |
| SW-8 (1.5')           | 1/17/2023                                                               |                                                                     | X                                                                         |                                                                     | C                | 1         | X | X | X |  |  |  |  |  |                    |  |                                                                   | 17                         |
| SW-9 (1.5')           | 1/17/2023                                                               |                                                                     | X                                                                         |                                                                     | C                | 1         | X | X | X |  |  |  |  |  |                    |  |                                                                   | 18                         |
| SW-10 (1.5')          | 1/17/2023                                                               |                                                                     | X                                                                         |                                                                     | C                | 1         | X | X | X |  |  |  |  |  |                    |  |                                                                   | 19                         |

Comments:

|                              |             |                          |           |
|------------------------------|-------------|--------------------------|-----------|
| Relinquished by: (Signature) | Date/Time   | Received by: (Signature) | Date/Time |
|                              | 5/1/23 0811 |                          |           |



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

---

May 03, 2023

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: COOPER 31 1H (09.26.22)

Enclosed are the results of analyses for samples received by the laboratory on 05/02/23 16:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

|                  |                              |
|------------------|------------------------------|
| Method EPA 552.2 | Haloacetic Acids (HAA-5)     |
| Method EPA 524.2 | Total Trihalomethanes (TTHM) |
| Method EPA 524.4 | Regulated VOCs (V1, V2, V3)  |

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 05/02/2023  
 Reported: 05/03/2023  
 Project Name: COOPER 31 1H (09.26.22)  
 Project Number: 1141  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 05/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 1 (6.75') (H232154-01)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH/ |      |            |               |       |           |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank     | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 05/02/2023 | ND               | 2.08 | 104        | 2.00          | 3.38  |           |
| Toluene*       | <0.050 | 0.050           | 05/02/2023 | ND               | 2.19 | 109        | 2.00          | 3.38  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 05/02/2023 | ND               | 2.14 | 107        | 2.00          | 1.25  |           |
| Total Xylenes* | <0.150 | 0.150           | 05/02/2023 | ND               | 6.65 | 111        | 6.00          | 0.641 |           |
| Total BTEX     | <0.300 | 0.300           | 05/02/2023 | ND               |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 5680   | 16.0            | 05/03/2023 | ND              | 432 | 108        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/03/2023 | ND              | 187 | 93.4       | 200           | 4.97 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/03/2023 | ND              | 178 | 88.9       | 200           | 8.30 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/03/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 91.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.7 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 05/02/2023  
 Reported: 05/03/2023  
 Project Name: COOPER 31 1H (09.26.22)  
 Project Number: 1141  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 05/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 2 (6.75') (H232154-02)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH/ |      |            |               |       |           |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank     | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 05/02/2023 | ND               | 2.08 | 104        | 2.00          | 3.38  |           |
| Toluene*       | <0.050 | 0.050           | 05/02/2023 | ND               | 2.19 | 109        | 2.00          | 3.38  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 05/02/2023 | ND               | 2.14 | 107        | 2.00          | 1.25  |           |
| Total Xylenes* | <0.150 | 0.150           | 05/02/2023 | ND               | 6.65 | 111        | 6.00          | 0.641 |           |
| Total BTEX     | <0.300 | 0.300           | 05/02/2023 | ND               |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 6560   | 16.0            | 05/03/2023 | ND              | 432 | 108        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/03/2023 | ND              | 187 | 93.4       | 200           | 4.97 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/03/2023 | ND              | 178 | 88.9       | 200           | 8.30 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/03/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 86.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.0 % 49.1-148

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**Analytical Results For:**

CARMONA RESOURCES  
 CONNER MOEHRING  
 310 W WALL ST SUITE 415  
 MIDLAND TX, 79701  
 Fax To:

Received: 05/02/2023  
 Reported: 05/03/2023  
 Project Name: COOPER 31 1H (09.26.22)  
 Project Number: 1141  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 05/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 3 (6.75') (H232154-03)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 05/02/2023 | ND              | 2.00 | 100        | 2.00          | 0.635 |           |  |
| Toluene*       | <0.050 | 0.050           | 05/02/2023 | ND              | 2.02 | 101        | 2.00          | 1.62  |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 05/02/2023 | ND              | 2.02 | 101        | 2.00          | 1.78  |           |  |
| Total Xylenes* | <0.150 | 0.150           | 05/02/2023 | ND              | 6.18 | 103        | 6.00          | 1.75  |           |  |
| Total BTEx     | <0.300 | 0.300           | 05/02/2023 | ND              |      |            |               |       |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 6080   | 16.0            | 05/03/2023 | ND              | 432 | 108        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 05/02/2023 | ND              | 194 | 97.2       | 200           | 9.72 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 05/02/2023 | ND              | 178 | 89.0       | 200           | 5.81 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 05/02/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 76.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.2 % 49.1-148

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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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\*=Accredited Analyte

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager

## Chain of Custody

Work Order No:

4232154

Page 1 of 1[illegible]

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
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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  
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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

QUESTIONS

Action 338376

QUESTIONS

|                                                                           |                                                                   |
|---------------------------------------------------------------------------|-------------------------------------------------------------------|
| Operator:<br>COG OPERATING LLC<br>600 W Illinois Ave<br>Midland, TX 79701 | OGRID:<br>229137                                                  |
|                                                                           | Action Number:<br>338376                                          |
|                                                                           | Action Type:<br>[C-141] Deferral Request C-141 (C-141-v-Deferral) |

QUESTIONS

|                   |                                               |
|-------------------|-----------------------------------------------|
| Prerequisites     |                                               |
| Incident ID (n#)  | nAPP2228439685                                |
| Incident Name     | NAPP2228439685 COOPER 31 FEDERAL COM 001H @ 0 |
| Incident Type     | Produced Water Release                        |
| Incident Status   | Deferral Request Received                     |
| Incident Facility | [fAPP2204032609] COOPER 31 FED 1 BATTERY      |

|                                                |                            |
|------------------------------------------------|----------------------------|
| Location of Release Source                     |                            |
| Please answer all the questions in this group. |                            |
| Site Name                                      | COOPER 31 FEDERAL COM 001H |
| Date Release Discovered                        | 09/27/2022                 |
| Surface Owner                                  | Federal                    |

|                                                                                                      |                        |
|------------------------------------------------------------------------------------------------------|------------------------|
| Incident Details                                                                                     |                        |
| Please answer all the questions in this group.                                                       |                        |
| Incident Type                                                                                        | Produced Water Release |
| Did this release result in a fire or is the result of a fire                                         | No                     |
| Did this release result in any injuries                                                              | No                     |
| Has this release reached or does it have a reasonable probability of reaching a watercourse          | No                     |
| Has this release endangered or does it have a reasonable probability of endangering public health    | No                     |
| Has this release substantially damaged or will it substantially damage property or the environment   | No                     |
| Is this release of a volume that is or may with reasonable probability be detrimental to fresh water | No                     |

|                                                                                                                                                                                      |                                                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Nature and Volume of Release                                                                                                                                                         |                                                                                                              |
| Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission. |                                                                                                              |
| Crude Oil Released (bbls) Details                                                                                                                                                    | Not answered.                                                                                                |
| Produced Water Released (bbls) Details                                                                                                                                               | Cause: Corrosion   Other (Specify)   Produced Water   Released: 427 BBL   Recovered: 400 BBL   Lost: 27 BBL. |
| Is the concentration of chloride in the produced water >10,000 mg/l                                                                                                                  | Yes                                                                                                          |
| Condensate Released (bbls) Details                                                                                                                                                   | Not answered.                                                                                                |
| Natural Gas Vented (Mcf) Details                                                                                                                                                     | Not answered.                                                                                                |
| Natural Gas Flared (Mcf) Details                                                                                                                                                     | Not answered.                                                                                                |
| Other Released Details                                                                                                                                                               | Not answered.                                                                                                |
| Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)                                 | Not answered.                                                                                                |

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QUESTIONS, Page 2

Action 338376

QUESTIONS (continued)

|                                                                           |                |
|---------------------------------------------------------------------------|----------------|
| Operator:<br>COG OPERATING LLC<br>600 W Illinois Ave<br>Midland, TX 79701 | OGRID:         |
|                                                                           | 229137         |
|                                                                           | Action Number: |
|                                                                           | 338376         |
| Action Type:                                                              |                |
| [C-141] Deferral Request C-141 (C-141-v-Deferral)                         |                |

QUESTIONS

| Nature and Volume of Release (continued)                                                                                                                |                                                                                                                                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Is this a gas only submission (i.e. only significant Mcf values reported)                                                                               | No, according to supplied volumes this does not appear to be a "gas only" report.                                                      |
| Was this a major release as defined by Subsection A of 19.15.29.7 NMAC                                                                                  | Yes                                                                                                                                    |
| Reasons why this would be considered a submission for a notification of a major release                                                                 | From paragraph A. "Major release" determine using:<br>(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more. |
| With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form. |                                                                                                                                        |

Initial Response

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

|                                                                                                                    |               |
|--------------------------------------------------------------------------------------------------------------------|---------------|
| The source of the release has been stopped                                                                         | True          |
| The impacted area has been secured to protect human health and the environment                                     | True          |
| Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices | True          |
| All free liquids and recoverable materials have been removed and managed appropriately                             | True          |
| If all the actions described above have not been undertaken, explain why                                           | Not answered. |

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

|                                                    |                                                                                                                             |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| I hereby agree and sign off to the above statement | Name: Brittany Esparza<br>Title: Environmental Technician<br>Email: brittany.Esparza@ConocoPhillips.com<br>Date: 04/29/2024 |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|

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QUESTIONS, Page 3

Action 338376

**QUESTIONS (continued)**

|                                                                           |                                                   |
|---------------------------------------------------------------------------|---------------------------------------------------|
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|                                                                           | 229137                                            |
|                                                                           | Action Number:                                    |
|                                                                           | 338376                                            |
| Action Type:                                                              |                                                   |
|                                                                           | [C-141] Deferral Request C-141 (C-141-v-Deferral) |

**QUESTIONS****Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs) | Between 51 and 75 (ft.)        |
| What method was used to determine the depth to ground water                                                                | NM OSE iWaters Database Search |
| Did this release impact groundwater or surface water                                                                       | No                             |
| <b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>   |                                |
| A continuously flowing watercourse or any other significant watercourse                                                    | Between 1 and 5 (mi.)          |
| Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)                                          | Between 1 and 5 (mi.)          |
| An occupied permanent residence, school, hospital, institution, or church                                                  | Greater than 5 (mi.)           |
| A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes  | Greater than 5 (mi.)           |
| Any other fresh water well or spring                                                                                       | Greater than 5 (mi.)           |
| Incorporated municipal boundaries or a defined municipal fresh water well field                                            | Greater than 5 (mi.)           |
| A wetland                                                                                                                  | Between 1 and 5 (mi.)          |
| A subsurface mine                                                                                                          | Greater than 5 (mi.)           |
| An (non-karst) unstable area                                                                                               | Greater than 5 (mi.)           |
| Categorize the risk of this well / site being in a karst geology                                                           | Medium                         |
| A 100-year floodplain                                                                                                      | Between 1 and 5 (mi.)          |
| Did the release impact areas not on an exploration, development, production, or storage site                               | No                             |

**Remediation Plan**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

|                                                                                                                                                                                                         |     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| Requesting a remediation plan approval with this submission                                                                                                                                             | Yes |
| Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC. |     |
| Have the lateral and vertical extents of contamination been fully delineated                                                                                                                            | Yes |
| Was this release entirely contained within a lined containment area                                                                                                                                     | No  |

**Soil Contamination Sampling:** (Provide the highest observable value for each, in milligrams per kilograms.)

|                   |                                    |       |
|-------------------|------------------------------------|-------|
| Chloride          | (EPA 300.0 or SM4500 Cl B)         | 13200 |
| TPH (GRO+DRO+MRO) | (EPA SW-846 Method 8015M)          | 50    |
| GRO+DRO           | (EPA SW-846 Method 8015M)          | 2450  |
| BTEX              | (EPA SW-846 Method 8021B or 8260B) | 0.1   |
| Benzene           | (EPA SW-846 Method 8021B or 8260B) | 0.1   |

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

|                                                                             |            |
|-----------------------------------------------------------------------------|------------|
| On what estimated date will the remediation commence                        | 04/26/2024 |
| On what date will (or did) the final sampling or liner inspection occur     | 04/23/2024 |
| On what date will (or was) the remediation complete(d)                      | 04/28/2024 |
| What is the estimated surface area (in square feet) that will be reclaimed  | 0          |
| What is the estimated volume (in cubic yards) that will be reclaimed        | 0          |
| What is the estimated surface area (in square feet) that will be remediated | 5600       |
| What is the estimated volume (in cubic yards) that will be remediated       | 144        |

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4  
  
Action 338376

QUESTIONS (continued)

|                                                                               |                |                                                   |
|-------------------------------------------------------------------------------|----------------|---------------------------------------------------|
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|                                                                               | Action Number: | 338376                                            |
|                                                                               | Action Type:   | [C-141] Deferral Request C-141 (C-141-v-Deferral) |
|                                                                               |                |                                                   |

QUESTIONS

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b>Remediation Plan (continued)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                             |
| <i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                             |
| <b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                             |
| <i>(Select all answers below that apply.)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                             |
| (Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Yes                                                                                                                         |
| Which OCD approved facility will be used for <b>off-site</b> disposal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | COOPER 31 FED 1 BATTERY [fAPP2204032609]                                                                                    |
| <b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Not answered.                                                                                                               |
| <b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Not answered.                                                                                                               |
| <b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Not answered.                                                                                                               |
| (Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | No                                                                                                                          |
| (In Situ) Soil Vapor Extraction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Not answered.                                                                                                               |
| (In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Not answered.                                                                                                               |
| (In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Not answered.                                                                                                               |
| (In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Not answered.                                                                                                               |
| Ground Water Abatement pursuant to 19.15.30 NMAC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Not answered.                                                                                                               |
| OTHER (Non-listed remedial process)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Not answered.                                                                                                               |
| <i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                             |
| 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. |                                                                                                                             |
| I hereby agree and sign off to the above statement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Name: Brittany Esparza<br>Title: Environmental Technician<br>Email: brittany.Esparza@ConocoPhillips.com<br>Date: 04/29/2024 |
| <i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                             |

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QUESTIONS, Page 5

Action 338376

**QUESTIONS (continued)**

|                                                                           |                |                                                   |
|---------------------------------------------------------------------------|----------------|---------------------------------------------------|
| Operator:<br>COG OPERATING LLC<br>600 W Illinois Ave<br>Midland, TX 79701 | OGRID:         | 229137                                            |
|                                                                           | Action Number: | 338376                                            |
|                                                                           | Action Type:   | [C-141] Deferral Request C-141 (C-141-v-Deferral) |
|                                                                           |                |                                                   |

**QUESTIONS****Deferral Requests Only**

Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Requesting a deferral of the remediation closure due date with the approval of this submission                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Yes                                                                                                                         |
| Have the lateral and vertical extents of contamination been fully delineated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Yes                                                                                                                         |
| Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Yes                                                                                                                         |
| Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | N/A                                                                                                                         |
| What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Not answered.                                                                                                               |
| What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Not answered.                                                                                                               |
| Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.                                                                                                                                                                                                                                                                                                  |                                                                                                                             |
| Enter the facility ID (f#) on which this deferral should be granted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Not answered.                                                                                                               |
| Enter the well API (30-) on which this deferral should be granted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 30-015-36282 COOPER 31 FEDERAL #001H                                                                                        |
| Contamination does not cause an imminent risk to human health, the environment, or groundwater                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | True                                                                                                                        |
| Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                             |
| 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. |                                                                                                                             |
| I hereby agree and sign off to the above statement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Name: Brittany Esparza<br>Title: Environmental Technician<br>Email: brittany.Esparza@ConocoPhillips.com<br>Date: 04/29/2024 |

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QUESTIONS, Page 6  
  
Action 338376

QUESTIONS (continued)

|                                                                           |                                                                   |
|---------------------------------------------------------------------------|-------------------------------------------------------------------|
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|                                                                           | Action Number:<br>338376                                          |
|                                                                           | Action Type:<br>[C-141] Deferral Request C-141 (C-141-v-Deferral) |

QUESTIONS

|                                              |                |
|----------------------------------------------|----------------|
| Sampling Event Information                   |                |
| Last sampling notification (C-141N) recorded | {Unavailable.} |

|                                                                                                                                            |    |
|--------------------------------------------------------------------------------------------------------------------------------------------|----|
| Remediation Closure Request                                                                                                                |    |
| Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed. |    |
| Requesting a remediation closure approval with this submission                                                                             | No |

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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 338376

CONDITIONS

|                                                                           |                                                                   |
|---------------------------------------------------------------------------|-------------------------------------------------------------------|
| Operator:<br>COG OPERATING LLC<br>600 W Illinois Ave<br>Midland, TX 79701 | OGRID:<br>229137                                                  |
|                                                                           | Action Number:<br>338376                                          |
|                                                                           | Action Type:<br>[C-141] Deferral Request C-141 (C-141-v-Deferral) |

CONDITIONS

| Created By | Condition                                                                                                                                                                                                                                                            | Condition Date |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| scwells    | Deferral approved. Deferral of SW-1, SW-4 and S-1 is approved until plugging and abandonment or a major facility deconstruction, whichever comes first. A complete and accurate remediation report and/or reclamation report will need to be submitted at that time. | 5/1/2024       |